SOKRATES BOUSIOS

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39 years old, unmarried, no children
12+ years professional Software Engineer

EXPERIENCE

04.2023 – PRESENT
SOFTWARE ENGINEER, WISEFOLIO GMBH

Wisefolio is a financial sector company focused on retail investors.
- Beatvest iOS App for Wisefolio with **Swift**

04.2019 – 03.2023
SOFTWARE ENGINEER, TRADING ROBOTICS GMBH, FREELANCER

Trading Robotics is a company that develops algorithmic trading software for different platforms.
- WinPin iOS App (Private Project) with **Swift**
- Colorblind Adjuster iOS App (Private Project) with **Swift**
- Arriscope for MSI with **C++**
- Cerberus Semi-Automatic Software for Trading Robotics with **MQL**, **C++**
- Hermes Semi-Automatic Software for Trading Robotics with **MQL**, **C++**
- Zeus Fully-Automatic Software for Trading Robotics with **MQL**, **C++**
- RE web App (Private Project) with **javascript**

12.2016 – 03.2019
SOFTWARE ENGINEER, ADESSO AG

Adesso is a multinational corporation that mainly develops software for the banking and insurance industry
- Vattenfall iOS App for Vattenfall with **Swift**
- BMW Connect iOS App for BMW with **Swift**
- Meine AOK iOS App for AOK Systems with **Swift**
- Erichsen Test Equipment App for Erichsen (Hemer) with **C#**

11.2014 – 11.2016
SOFTWARE ENGINEER, WERKDIGITAL GMBH

Werkgital is a company that mainly develops web frontend and backend systems for various industries, but also mobile games
- Dual of Words iOS App for Thrill-Pack-Games with **C#**
- Goldcamper webpage and backend for ShareACamper with **javascript**
- MyFleetBox webpage and backend for ShareACamper with **javascript**
- EHG-Benchmark Software for Erwin Hymer Group with **javascript**

07.2013 – 06.2014
SOFTWARE ENGINEER, I/POL GMBH

I/Pol is a startup company based in Heilbronn, Germany and specializing in mobile development for iOS and Android devices
- Vodafone Dropkick iOS App for Vodafone with **ObjectiveC**, **C++**
- Dropkick-Admin iOS App for Nordpole (Hamburg) with **ObjectiveC**, **C++**
- Check-Touch iOS App for Kaufland with **ObjectiveC**, **C**, **C++**
- Kick-Tipp iOS App for Renault with **ObjectiveC**

07.2011 – 06.2013

SOFTWARE ENGINEER, FREELANCE

- Development of excel user forms for Platestahl GmbH with **VBA**.

09.2010 – 06.2011

TUTOR, IDEAL- TUTORING CENTER

IDEAL is a tutoring center for school children of all grades and school types.
- Mathematics at grades 5,6 and 7
- Mathematics to high school graduates

EDUCATION

09.2011 – 10.2012

SOFTWARE ENGINEER, ILS UNIVERSITY HAMBURG

Programming with VBA: access databases with VBA, data evaluations with SQL and data access with ADO
Programming project: Sales Database Template
Object-oriented programming with C++/CLI: graphics programming, windows applications
Programming projects: Browser, Text Editor

10.2003 – 06.2010

M.SC. IN PHYSIK, NATIONAL TECHNICAL UNIVERSITY OF ATHENS, GREECE (NTUA)

Master Thesis:
Research of the generalized integral transforms. Development of the "fractional sinFourier transform" to create the algorithms and of the particle trajectory recognition software.

QUALIFIKATIONS

- **Application programs**: MS Office (Word, Excel, Access), LaTeX, MatLab
- **IDEs:** Xcode, Visual Studio, WebStorm

- **Programming languages** C/C++, Objective-C, C#, VBA, java, swift, javascript, HTML, CSS, swift, python
- **Databases:** MS SQL, MongoDB, sqlite3.0, coreData
- **Miscellaneous:** OOD, MVC, MVVM (and other Patterns), SOLID, TDD/BDD, UML-Diagrams

LANGUAGES

- **German** - Fluent
- **English** - Confident in mails and docs
- **Greek** - Native

HOBBIES

- Chess, Poker NLHE
- Diving, Spearfishing
- Cooking, Fitness
- Algo-Trading, Swing-Trading

Past Projects

The following projects were developed by me:

BMW Connect
Customer: BMW AG
My contribution: New features built in.
IDE: Xcode 10
Frameworks: **UIKit** (**Swift**), **RxSwift** (**Swift**)
Description: The BMW Connect app is there to take over various remote functions of the new BMW cars, such as air conditioning the car, close windows, etc. Locating the car and controlling more than one car is also possible. The app is also used on BMW Mini and a few Toyota models.

Enpure
Customer: Vattenfall GmbH
My contribution: Various unit tests of the application. Counter with image recognition built in.
IDE: Xcode 9
Frameworks: **UIKit** (**Swift**), **Pixulus** (**Swift**)
Description: The Vattenfall-Enpure app allows to configure and conclude electricity contracts via smartphone according to one's own needs. It is also possible to measure the meter reading (automatically with the camera) and send it to Vattenfall.

Meine AOK
Customer: AOK Systems GmbH
My contribution: The first Version of the application.
IDE: Xcode 9
Frameworks: **UIKit** (**Swift**), **Kobil** (**Swift**)
Description: With the My AOK app you can conclude an insurance contract with your smartphone. In addition, it is possible to handle all e-mail correspondence with the AOK through the smartphone and to photograph, edit and send sickness certificates to the employer.

WinPin
Customer: Private Project
My contribution: Parts of the iOS version. The entire backend.
IDE: Xcode 13
Frameworks: **UIKit** (**Swift**), **Mapkit** (**Swift**)
Description: Concept will be published after the app is deployed.

Arriscope
Customer: MSI GmbH
My contribution: Setup software, light calibration mechanisms, user interface.
IDE: Visual Studio Code
Frameworks: **OpenGL, bitset, algorithm, std** (**C++**)
Description: The Arriscope project is a microscope intended for eye surgery. This is a device that consists of several hardware and software components.

Colorblind Adjuster
Customer: Private Project
My contribution: The entire application.
IDE: Xcode 14
Frameworks: **UIKit** (**Swift**), **AVFoundation** (**Swift**), **CIFilter** (**C**)
Description: The Colorblind Adjuster app is for people who are colorblind or have a red-green or blue-yellow deficiency. You can create your own filters and use them to edit images and videos so that you can see things you didn't see before or improve the experience of the images and videos for you.

RE App
Customer: Private Project
My contribution: The entire frontend and backend.
IDE: Xcode 13
Frameworks: **ExpressJS** (**javascript**), **ReactJS** (**javascript**), **mysql** (**javascript**, **SQL**)
Description: This is a real-estate operation management system for a private individual. With this web application you can mediate various operations between homeowner and craftsman. The contracts are created automatically, and the corresponding files are saved.

Vodafone Dropkick
Customer: Vodafone GmbH
My contribution: The entire user interface of the application and parts of the recognition mechanism.
IDE: Xcode 4
Frameworks: **UIKit** (**ObjectiveC**), **OpenCV** (**C++**)
Description: This is a game app developed for the company Vodafone. A server distributes virtual balls in all cities of the world. These can be tracked and collected by the user with the video camera and augmented reality. A virtual goal can then be built based on rectangles in the environment (e.g., windows). By pointing his mobile phone at his foot, the user shoots the collected balls to the goal to collect points and win prizes.

Check-Touch
Customer: Kaufland GmbH
My contribution: The detection mechanism of the application.
IDE: Xcode 5
Frameworks: **UIKit** (**ObjectiveC**), **OpenCV** (**C++**), **Tesseract** (**C++**), **jansson** (**C**)
Description: Check-Touch is a mobile application of the classic checklist (a list of items that inspectors must go through during their inspection of a store) kept by most companies in the retail industry. It is a B2B app with the extra feature, similar to a barcode scanner, of recognizing products from the shelves with the help of the camera in order to display their correct, previously determined location.

Dropkick-Admin (Developed in TDD/BDD way)
Customer: Nordpol GmbH
My contribution: The entire application.
IDE: Xcode 5
Frameworks: **UIKit** (**ObjectiveC**), **MapKit** (**ObjectiveC**), **Kiwi** (**ObjectiveC**)
Description: Dropkick-Admin is an app for the administration of the previously described Vodafone Dropkick app, developed in a TDD/BDD way using the Kiwi framework. The app allows a super admin to set the balls to self-determined coordinates, both by entering the coordinates and by using MapKit.

Cerberus
Customer: Trading Robotics GmbH
My contribution: Developed the frameworks. Parts of the frontend.
IDE: MetaEditor, Visual Studio Code
Frameworks: **Fast-GUI** (**MQL**), **ATCore** (**C++**)
Description: Cerberus is a GUI that gives you the ability to interact with a friendly and easy to use, graphical environment. It includes tools to save your trade, close partial of an open position, an instant trading option, managing your risk, and two entry options for automatic entry recognition: the moving average entry and the trend line crossing entry.

Hermes
Customer: Trading Robotics GmbH
My contribution: Expanded the frameworks. Parts of the frontend.
IDE: MetaEditor, Visual Studio Code
Frameworks: **Fast-GUI** (**MQL**), **ATCore** (**C++**)
Description: Hermes is a GUI that comes with a friendly and easy to use environment and gives you the ability to trade the economic news and events. It includes tools to save your trade, close partial of an open position, instant trading option, managing your risk, and a setting brackets option entry to trade the news.

Zeus
Customer: Trading Robotics GmbH
My contribution: The complete application.
IDE: MetaEditor, Visual Studio Code
Frameworks: **ATCore** (**C++**)
Description: Zeus is a fully automated trading software where all trading decisions, as well as market entry, risk management, order handling and exit, are fully handled.

Kick-Tipp
Customer: Renault SA
My contribution: Application update.
IDE: Xcode 5
Frameworks: **UIKit** (**ObjectiveC**)
Description: This is a soccer betting app that is only used during the soccer World Cup or European Championship. The user places tips for the games and collects points in this way. I have updated the application for the soccer World Cup 2014, fixed bugs and added new features.

EHG-Benchmark-Software (Developed Agile with Scrum and CI)
Customer: Erwin Hymer Group AG
My contribution: Most part of the application (frontend, middleware, and database), the Excel Exporter of the application.
IDE: PHPStorm 9
Frameworks: **ExtJS 5** (**Javascript**), **ArangoFoxx** (**Javascript**), **ArangoDB** (**AQL**), (**xml**)
Description: The benchmark software is a web application in which the motorhomes and caravans of the Hymer Group are displayed with each other and with those of other suppliers on a benchmark grid to compare them. The comparison is made by displaying the various attributes of the vehicles in a grid. Other options for comparison include configuring attribute packages and changing attribute prices. For an even more detailed comparison, the app offers an Excel Exporter where the benchmark grid can be downloaded as an Excel file. The software can thus support the Hymer Group's product managers in creating better prices and offers on their products.

EKS-Configurator
Customer: eks Engel FOS GmbH
My contribution: New features built in.
IDE: PHPStorm 9
Frameworks: **ExtJS 4** (**Javascript**, **php**)
Description: The EKS configurator is a web application that is used in the Ethernet switch of the mentioned company. With this, various configurations can be made.

Dual of Words
Customer: Thrill-Pack-Games GmbH
My contribution: Parts of the application.
IDE: **Unity2D 5.1** (**C#**)
Description: This app is a game developed with Unity2D for Android and iOS smartphones. In the game, you are either randomly assigned to an opponent, or you choose one from your Facebook friends list. The goal is to form words in a table of 4x4 letters with the help of shift movements and thus collect points.

Goldcamper (Developed Agile with Scrum and CI)
Customer: SHAREaCAMPER GmbH
My contribution: Large parts of the application (frontend, middleware, and database).
IDE: PHPStorm 10
Frameworks: **angular-meteor 1.3** (**Javascript**), **MongoDB**, **Jasmine** (**Javascript**)
Description: Goldcamper is a web application that allows private motorhome owners (registered in the app) to offer their motorhomes for rent to travelers. Thus, the mediation of owner and traveler takes place in the application.

myFleetBox (Developed Agile with Scrum, CI and TDD way)
Customer: SHAREaCAMPER GmbH
My contribution: Large parts of the application (frontend, middleware, and database).
IDE: WebStorm 11
Frameworks: **angular-meteor 1.3** (**Javascript ES6**), **MongoDB**, **Mocka** (**Javascript**)
Description: The myFleetBox app is the counterpart to the Goldcamper app. In this, the camper owners register their vehicles. They have an overview of their bookings, as well as seasonal prices and can drive different statistical evaluations.

Erichen Prüfgeräte App (IoT)
Customer: Erichsen GmbH (Hemer)
My contribution: The architecture. The first version of the app.
IDE: Visual Studio Community
Frameworks: Xamarin.Forms (**C#**)
Description: With the Erichsen test equipment app, you can remotely control the scribers used to test the adhesion of paint to various surfaces. It is possible to log in as a registered user and comfortably set the devices and perform the measurements from your desk. The special feature of the app is that it uses IoT technology in combination with Xamarin.

Diploma No.:   **840**

HELLENIC REPUBLIC

[round seal of NTUA]

THE NATIONAL (METSOVIAN) TECHNICAL UNIVERSITY OF ATHENS

ON THE NOMINATION OF

THE SCHOOL OF APPLIED MATHEMATICAL AND PHYSICAL SCIENCES

CONFERS UPON

MR. *Sokrates Kosma Bousios*

BORN IN *Thessaloniki* IN *1984*

THIS DIPLOMA IN **APPLIED MATHEMATICAL AND PHYSICAL SCIENCES**

WITH A GRADE POINT AVERAGE OF 7.25 *(very good)*

AFTER HAVING FULFILLED ALL REQUIREMENTS AS A STUDENT OF THE SCHOOL OF

APPLIED MATHEMATICAL AND PHYSICAL SCIENCES

AND HAVING SUCCESSFULLY PASSED ALL DIPLOMA EXAMINATIONS HELD IN *2010*.

Athens, May 3, 2011

THE SECRETARY OF THE SCHOOL	THE PRESIDENT OF THE SCHOOL	THE DEAN
OF APPLIED MATHEMATICAL	OF APPLIED MATHEMATICAL	*[round seal of NTUA]*
AND PHYSICAL SCIENCES	AND PHYSICAL SCIENCES	
[signed illegible]	*[signed illegible]*	*[signed illegible]*
ANASTASIA K. RAZAKIA	**ALEXANDROS-PANAGIOTIS A. SERAFETINIDIS**	**SIMOS E. SIMOPOULOS**

END OF TRANSLATION_____

ATTESTATION CLAUSE_____

In my capacity of a translator for the English and Greek languages, duly registered, commissioned
and sworn by the President of the Landgericht [Regional Court Munich] Muenchen I,
I do herewith certify the foregoing to be a true and complete translation of a technical university diploma,
which is worded in the Greek language and has been submitted to me as an electronic file.

Munich, this 4th day of June 2021.

Helena WULGARI-POPP
Barbarossastr. 14
D-81677 Munich
Federal Republic of Germany

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GRADUATION CERTIFICATE

Mr. Sokrates Bousios, born on 26 July 1984,

attended from September 2, 2011 until November 1, 2012 a distance learning course of studies

- Approved by the State Central Institution for Distance Learning (no.: 513180) -

for Certified Programmers (ILS)

and submitted the written papers in all specialisation subjects.

The course of studies comprised the following fields of specialisation:

- Introduction in IT technology: structure and functions of computers, operating systems and networks, data protection and data security
- Programming with VBA: calculations and condition-oriented programming processes, optimisation of Access databases using VBA, data evaluation using SQL and data access with ADO, programming project: sales database
- Software engineering: approach model of software development; UML use case diagram and object diagram, quality assurance and test procedures
- Object-oriented programming using C++/CLI and .NET Framework: graphics programming, creation of Windows programs, programming projects: browser, word processing.

Seminar tests successfully completed achieving grade 1.0.

Overall grade average was 1.1.

Hamburg, November 5, 2012

signed illegible   *signed illegible*

Jens Greefe   Werner Müller
Graduate Economist   Graduate in Business Administration
Director of Education Department   Director of Course

END OF TRANSLATION_____

ATTESTATION CLAUSE_____

In my capacity of a translator for the English language, duly registered, commissioned
and sworn by the President of the Landgericht [Regional Court Munich] Muenchen I,
I do herewith certify the foregoing to be a true and complete translation of a graduation
certificate, which is worded in the German language and has been submitted to me as an
electronic file.

Munich, this 4th day of June 2021.

Helena WULGARI-POPP
Barbarossastr. 14
D-81677 Munich
Federal Republic of Germany

Stanford | ONLINE

Apr 12, 2018

Sokratis Bousios

has successfully completed

Divide and Conquer, Sorting and Searching, and Randomized Algorithms

an online non-credit course authorized by Stanford University and offered through Coursera

Tim Roughgarden
Associate Professor of Computer Science
Stanford University

Verify at coursera.org/verify/VAHA62ET6AW5
Coursera has confirmed the identity of this individual and their participation in the course.

UNIVERSITY OF MICHIGAN

COURSE CERTIFICATE

Aug 1, 2018

Sokratis Bousios

has successfully completed

Python Data Structures

an online non-credit course authorized by University of Michigan and offered through Coursera

Charles Severance
Clinical Professor, School of Information
University of Michigan

coursera

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