Harris Flourentzos

harris.flourentzos@gmail.com

Software developer with exceptional problem solving, communication and programming skills. I enjoy building new systems with state-of-the-art technologies focusing on usability and maintainability.

Work Experience

Front-End Software Developer   **[C#/.NET Core, SQL, ASP.NET Core, WPF, RX]**
NatWest Market   **May 2019 - February 2022**

- Worked in an agile team of 3-4 senior developers looking after a suite of internal trading applications/tools used by the bank's FX traders.
- Implemented new features & enhanced existing ones for the 4 main applications (Historic FX data blotter, Live FX data streamer, Live FX PNL streamer, FX Trading App) | Enhanced streaming data with new metadata | Introduced new currencies/venues | Automated user actions to enhance usability and user experience etc.
- Optimised blotter and streamer apps using .NET profilers(.dotTrace)
- Worked with Reactive Extensions (RX) to deal with concurrency in streamer apps
- Implemented a tool to visualise various statistics of how our user base interacted with our main 4 applications. The tool used log entries fed into Splunk
- Implemented a new ASP.NET Core service to enrich(and update) our user records with the bank's records.
- Migration to .NET 5/6

Alumni Trainee   **[C#, Git]**
MThree Consultants   **Mar 2019 - May 2019**

- 8 weeks of training program with prospect of client placement. Training on C# coding skills, general investment banking concepts, forex, agile methodologies, working with a team, dummy projects, version control, etc.

Education

University of Edinburgh – MSc Computer Science   **2017-2018**
Overall Grade: 1st (Distinction)
Modules Include: Machine Learning and Pattern Recognition, Machine Learning Practical (deep neural networks), Probabilistic Modelling and Reasoning, Introduction to Java, Foundations of Natural Language Processing, Human Computer Interaction, Software Architecture, Process and Management, etc.

University of Nottingham – BSc Mathematics   **2013-2016**
Overall Grade: 2:1

Semmelweis University – MD   **2009-2012**
1st Year Grade: 4 (out of 5)

Officer Designate in Cyprus National Guard   **2007-2009**
227th place in National Officer Designate Exams (IQ, Vocabulary, Physical tests). Commanded a small unit of soldiers.

High School and Other Academic Courses   **2004-2007**
School diploma: 19.5/20, Awarded " Excellence in Academics" (all years)
GCE A-Levels: Pure Mathematics (A), Physics (A), Chemistry (A), Biology (B)

Skills

Programming Languages
- Proficient: C#, ASP.NET Core, WPF
- Experience(own projects/online courses): TS/JS, React JS, Next JS, HTML5, CSS3

Languages
Greek (Native), English (IGCSE O-Level)

Dev Tools
- Proficient: Visual Studio, Git, GitKraken, BitBucket, JIRA, Splunk, AutoFac, RX, IIS, Windows Services, MVVM
- Experience(own projects/online courses): Visual Studio Code, Rider

Projects and Learning

Notable University projects and Coursework
- Development of a password manager software in C#/WPF, .NET framework as part of my thesis to assess the impact of UI/UX design on Usable Security.
- Implemented various Neural Network (NN) architectures (Deep Neural Networks, Convolutional NNs, Recurrent NNs) on various data sets (EMNIST, CIFAR 10/100, Fashion MNIST) for classification tasks. During the project TensorFlow and Keras Python frameworks were used.

ReactJS | JS | TS | HTML5 & CSS3
Built various small scale projects including SPAs in ReactJS while learning the following (links for more details):
- [ReactJS](#) - Hooks, Redux, Context API, Next.JS, React Router, etc.
- [TypeScript](#) - Classes, Interfaces, Decorators, Advanced Types, Generics, Modules & Namespaces, etc.
- [JavaScript](#) - Functions, Closures, Async/await, Data Structures, etc.
- [HTML & CSS](#) - Flex box, CSS grid, etc.