

Armin Sabouri

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EXPERIENCE

NormaTec, Watertown, MA— Software Engineer

Jan 2019 - Present

Develop the user facing e-commerce web application that constitutes ~60% of business revenue, using **React**, **Redux**, **SCSS**, and **Typescript**.
Develop the e-commerce RESTful API service in **.NET**, **EF** and **MySQL**.

Develop multiple versions of an already published mobile app using **React Native**, **Sagas**, **Redux** and its corresponding **Node** backend service.

Design, develop, implement, and test embedded software in various soft real-time pneumatic compressions systems using **C** and **C++** on top of RTOS such as **FreeRTOS**.

Architect, develop and launch a desktop application to factory lines and internal services, designed to calibrate and test sports and health devices before they (re-)enter the field in **.NET**, replacing a process that previously took upwards of 15 min with one that consistently takes ~ 3 min.

Department of Civil and Environmental Engineering at MIT Cambridge, MA— Full Stack Engineer

Oct 2017 - Jan 2019

Developed a web portal for faculty, staff and students in CEE, where users can create, update, or view department/personal resources including student forms, departmental policies, and a department wide intranet designed to manage space. Technologies used included **PHP7**, **MySQL**, **JQuery**, and **CSS3**.

Bluum Technologies, Boston, MA— Full Stack Engineer

Summer 2018 (Part-time Contract)

Contributed to several front end applications using **React** and **Redux**. Led the development of an API service for a web portal intended to be used by retail managers created in **Lumen**. Managed deployment on **Google Cloud Platform**.

Massachusetts General Hospital, Boston, MA— Software Engineering Intern

May 2017- Oct 2017

Pioneered multiple data science projects, from the data extraction process to statistical analysis and classification using **Python**, **MySQL**, **Pandas**, **Numpy**, and **Scipy**. Worked with a team of engineers to successfully migrate **MySQL** databases from an obsolete server to a new server, using **MySQL**, **Python**.

SKILLS

Language Skills: Fluent in ES6, C#, C, Embedded C++
Proficient in Python, PHP, Java, x86

Technologies: Proficient in .NET, Git, Node.js/Express, Flask, TypeScript, JQuery, React/Redux, React Native, Entity framework, GCP, AWS, X-Code, Android Studio, VS, BLE, Linux Kernel Dev, I2C, SPI, UART, RS232, USB

Database: Sql Server, MySQL, MongoDB

Data Science: Proficient in data analytical libraries in Python (including Pandas, Scikit Learn, Numpy, Keras coupled with Tensorflow)

Operating Systems: Linux, Mac OS, FreeRTOS, Windows

Reggora Inc, Boston, MA — Software Engineering Intern

June 2017 - September 2017

Designed a fully client side floor planning software intended for lenders and appraisers to create maps of real estate using **Typescript, React**, and **CSS**. Developed parts of a backend service that assisted appraisers in making detailed reports using **Python3**, various third party REST API's, **MongoDB**, and **React**.

EDUCATION

Boston University, Boston, MA — Computer Science, BS

Sep 2016 - May 2019 -- GPA: 3.33

Suffolk University, Boston, MA — Computer Science, BS

Sep 2015 - May 2016 (Transferred) -- GPA: 3.98

RESEARCH HIGHLIGHTS

Aqua Watch, Hariri Institute for Computing at Boston University — Embedded Systems/Data Scientist

Spring 2018 - Spring 2019

Recipient of a Fall Semester Research Incubation Award from the BU Hariri Institute for Computing

Conducted research into a data-driven, cost-effective solution for detecting lead and other contaminants in drinking water

Our team's paper on the project can be read at my website: therealarm.in

Fraud in Cryptocurrencies, Questrom School of Business at Boston University — Data Scientist

Summer 2018 - Winter 2018

Researched various topics pertaining to cryptocurrency fraud as part of an effort to put an end to fraudulent cryptocurrency before they become mainstream

Additional information on these and other projects can be found on my website: therealarm.in

HONORS/ACTIVITIES

Suffolk University Academic Scholarship Sep 2015 - May 2016

Suffolk University Honors Sep 2015 - May 2016

Secretary of BU's Chapter Association of Computing and Machinery (ACM) Jan 2017- May 2019

Frequently ran workshops through ACM Covering topics from Restful API Design to Git. Sep 2017 - May 2019

BU CS Mentorship Program Sep 2017 - May 2019