KORINA PLUSS

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EDUCATION

Northeastern University | Spring 2022

Bachelor of Science in Computer Engineering and Computer Science, Minor in Economics   GPA: 3.89

- <u>Positions and Honors</u>: Vice President of Eta Kappa Nu (IEEE-HKN) Honors Society, Dean's List, member of the Honors Program, National Merit Scholarship recipient, NU Cheese Club Treasurer and founding board member
- <u>Coursework</u>: Algorithms and Data, Object-Oriented Design, Computer Systems, Probability and Statistics, Fundamentals of Computer Science, Circuits and Signals: Biomedical Applications, Embedded Design: Enabling Robotics, Logic and Computation, Fundamentals of Networks, International and Comparative Economics

WORK EXPERIENCE

Pluralsight | Boston, MA   January 2020 – August 2020

Full-Stack Software Developer

- Developed IDE extensions for activity tracking that interfaced with a lightweight CLI for reusability and protection of user information by keeping client data local
- Worked on a full-stack TypeScript project from initial commit to a 200 user Beta release that leveraged data from the Pluralsight platform and coding insights from IDE extensions to help developers understand their workflow
- Researched and implemented OAuth 2.0 calendar integrations with Google and Microsoft client-side with complex state management in Redux

Medtronic, Surgical Robotics Division | Boston, MA   January 2019 – August 2019

Software Test Engineer

- Identified problems in the testing workflow and developed automation tools using C# to expedite formal document creation, reporting of software requirement to implementation traceability matrices, and warnings checks for test protocol content that are used by over 100 engineers on 3 different teams, which played a key role in maintaining the product timeline for release
- Maintained and validated a large-scale software test execution framework in Python and C++ used for remote building and deployment of tests on a complex surgical robotic system

Khoury College of Computer Sciences | Boston, MA   Fall 2019 and Fall 2020

Logic and Computation TA

- Hold office hours twice a week and work with other course assistants to run practical lab sessions

Tatte Bakery and Café | Boston, MA   February 2018 – December 2019

Barista

- Dial in correct dosages from fresh roasts, service and maintain a full-sized commercial espresso machine

SKILLS

Programming: Git, JavaScript, React.js, SQL, Python, C++, Java, C#, MATLAB / Simulink, Bash scripting

Technical: Function generator, oscilloscope, multimeter, circuit design, Solidworks, AutoCAD

PROJECTS

- Used graph traversal algorithms to implement a maze game with unique path creation for each new game and interactive playability to show travelled paths and display the optimal path upon reaching the end
- Designed and implemented an embedded system to interface hardware accelerometer remote control input data with the software to control a robotic arm