Nikolas Pechie

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Relevant Work Experience:

Software Engineering Co-op   December 2019 - August 2020
Integrity Security Services - Boston, MA
- Refactored **Javascript** code using the **NodeJS** framework to improve performance and readability of our code base.
- Implemented **AWS** Simple Queue Service and **AWS** Lambda, and deployed Lambda code to handle messages from multiple FIFO queues.
- Developed a REST API to handle customer requests for certificates.

Robotics Software Development Co-op
QinetiQ North America - Waltham, MA   January - June 2019
- Implemented government cybersecurity standards into a **Linux** operating system.
- Developed code in **C++** that translated gravity force measurements from three sensors on an autonomous robot, and translated them into radial coordinates to be displayed in a 3D model.
- Integrated **TeamCity** builds with **Coverity** and automated a report generation process.
- Created **Python** scripts to add different header statements to thousands of files within a project depending on the file type.

Software Development Co-op
Bose Corporation - Framingham, MA   January - August 2018
- Developed and continuously updated an **iOS** application using **Swift** to test the different features and firmware versions of a product.
- Integrated iOS Snapshot Test Case into our project, created unit tests to ensure that accidental UI changes were automatically detected.

Relevant Projects:
- **Twitter Bot**: Created a Twitter bot using **NodeJS** that automatically 'likes' tweets it is mentioned in, and responds with a random message. Deployed this app to Heroku in order to run constantly.
- **Plant Growth Pod**: Developed a mobile application using **React Native** and a **REST API** using **AWS** to accompany a self sufficient plant growing pod.

Technical Skills: (Highest-Lowest Proficiency)
Operating Systems: Linux, Mac OS, Windows, iOS
Programming Languages: Javascript (NodeJS, React), Java, C++, Python
Software: AWS, Git, Jira, Jenkins, TeamCity, Coverity

Education:
Northeastern University, Boston, MA   May 2021
Candidate for Bachelor of Science in Computer Engineering, Minor in Computer Science
GPA: 3.20/4.00