

Ryan Gess

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Education

Carnegie Mellon University

May 2022

B.S. Electrical and Computer Engineering

Minor in Machine Learning

Work Experience

Software Engineering Intern, Applied Research Laboratory - Penn State

Summer 2018

The Applied Research Lab at Penn State works with the Department of Defense as a University Affiliated Research Center with focus in undersea weapons and technology.

- Helped write and document a script to setup a development environment for new interns.
- Tested TAPS web application with Selenium web browser automation and fixed bugs that were discovered. TAPS is a customizable interactive geospatial visual display that is viewable in Google Earth.

Software Engineering Intern, Minitab Inc.

Summer 2017

Minitab Statistical Software is a software package that provides tools for statistics and data analysis.

- Worked with a team to create and test Mac wrapper functions written in Swift that wrap functions in the C++ Minitab Windows version.
- Wrote test classes in Swift for Minitab Express Mac software.

Leadership

Hack Club, Co-founded

State College Area High School

At weekly meetings members help each other learn to code and write web applications through workshops and demonstrations.

Wrote many programs in Java and Python, and iOS apps in Swift.

Programming Skills

Languages

Python – Swift – Java – C/C++ – Javascript – HTML – SQL – Hive

Testing Frameworks

JUnit – Selenium Grid – iOS & macOS unit testing

Development Environments/Source Control and other skills

Xcode – Eclipse – Microsoft Visual Studio – PyCharm – Git – Ant – VirtualBox

Scrum/Agile project management

