Daniel V. Cowan

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EDUCATION

University of Pittsburgh   Pittsburgh, PA

B.S. **Computer Science**, minor in **History**   May 2019

RELEVANT COURSEWORK

Software Engineering   Software Quality Assurance

Programming Languages for Web Applications   Algorithm Design

PROJECTS

MovieGame

six-degrees-of-hollywood.appspot.com

- Led a development team in the full stack design, implementation, and deployment of a web-based game which tests a user's knowledge of movie casts
- Flask, Python, JavaScript & AJAX, HTML & CSS, Google App Engine & Firestore

JukeBox

- Member of a Scrum team that created a Spotify-interfacing web application utilizing the MVC design pattern and allows multiple users to collaborate on a common playlist
- Agile/ Scrum, AngularJS, JavaScript, HTML & CSS, Bootstrap, Flask, Python, SQLite

Lightweight Web Analysis

- Member of a Scrum team which built a simple, lightweight web-based text and data analysis tool for a corporate customer
- Agile/ Scrum, JavaScript & HTML

Frogger AI

- Created a Python program which solves a Pygame implementation of the classic game of Frogger utilizing a Q-learning reinforcement learning algorithm

EXPERIENCE / AWARDS

United States Navy   March 2008 – March 2014

Work Center Supervisor / Submarine Engineroom Supervisor

- Managed a work center of nuclear-trained technicians to ensure the timely and correct completion of over 1,000 preventative maintenance items on over 20 nuclear plant systems
- Responsible for the supervision and training of nuclear technicians in the operation and maintenance of a naval nuclear power plant during system startup, shutdown, critical operation, and testing
- Twice awarded the Navy and Marine Corps Achievement Medal for "reliability under stress" and "superior performance of his duties" aboard the nuclear-powered fast attack submarine USS Providence

SKILLS

Languages

- Python, Java, Ruby, HTML, JavaScript

Technologies / Methodologies

- AngularJS, Flask, Git, Katalon, MiniTest, Google App Engine, Agile, Scrum