Peter Munn

pcm82.github.io   petercmunn@gmail.com   443-739-8953 (cel)

EDUCATION

CORNELL UNIVERSITY
BA, Computer Science
3.6 / 4 GPA
Sept. 2018- May 2021 (3 years)
Milstein Scholar Dean's List Fall 2020

PHILLIPS ACADEMY ANDOVER
Sept. 2014- June 2018
Cum Laude

SKILLS

PROGRAMMING
Python (Proficient)
Java (Proficient)
JavaScript (Proficient)
C (Experienced)
OCaml (Experienced)
ARM Assembly (Experienced)
SQL (Experienced)

SOFTWARE
AWS • ReactJS • Datahub
NextJS • CytoscapeJS
PyTorch • Insomnia • GraphQL
Jupyter • Mathematica
• Airflow • DBeaver

HONORS & AWARDS

DEAN'S LIST
Cornell- Fall 2020
Awarded to students with exemplary academic records

TAPIA 2020 AWARD
Cornell- August 2020
Awarded funding to attend 2020 ACM Tapia Computing Conference

MILSTEIN SCHOLAR
Cornell- May 2019
One of 25 students in inaugural class of Milstein Program in Humanity and Technology

COMMUNITY ENGAGEMENT LEADERSHIP AWARD
Phillips Academy- June 2018
Given for excellence in leading a community service program

EXPERIENCE

GODADDY Software Development Engineer III- Data Engineering @ Data Platform Team
Apr. 2022 - Present
- Designed and implemented solutions for Data Lineage from scratch
- Created internal frontend tools for Business Analysts using JavaScript (ReactJS, NextJS, Cytoscape, Docker, Gasket, Datahub)
- Created sync and backfill for Data Lake-Alation integration
- Worked on CI/CD systems and automatic change order generation
- Designed operators and permissions systems for MWAA (Apache Airflow)
- Optimized redshift queries (20 percent boost) by writing glue statistics crawlers

AMAZON   Software Development Engineer I @ Payment Risk Engineering
Jul. 2021 - Mar. 2022
- Designed solutions for new backend features
- Used AWS CloudFormation stacks to build and test new solutions
- Implemented AWS CloudWatch alarms to monitor network metrics
- Reduced and replaced API calls in multiple backend services
- Developed unit tests with Mockito and EasyMock
- Conducted integration and chaos tests

CORNELL MCMAHON LAB FOR QUANTUM COMPUTING
Machine Learning Researcher
Aug.- Dec. 2019
- Developed PyTorch model for simulated physical computer (Coherent Ising Machine)
- Implemented differential equation-based neural networks for linear regression

CANTO SOFTWARE Software Market Analyst
May- Aug. 2019
- Compiled report on digital-asset-management software market trends using 40+ unique sources including competitor infiltration
- Presented findings to 30 person office, material now used by sales team

PROJECTS

OBSTACLE DETECTION HAT Aug. 2019- Dec. 2020
- Designed hardware and software for hat that detects obstacles in 60° arc ahead of user
- Managed market research team to interview people with low-vision (milstein-program.as.cornell.edu/h-t-seeing-sound)

MULTIPLAYER ONLINE GAME Jul. 2020-Sept. 2020
- Developed probability algorithm based on client-sided known and unknown variables

ONLINE ORBIT SIMULATOR Jun. 2020
- Designed JavaScript orbit simulator using differential equations and Newtonian physics, including collisions, gravity, resizing