

Stephen Clark

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Education

Carnegie Mellon University

B.S. in Computer Science
May 2019 | GPA: 3.40

Course Work

- 15-410: Operating Systems
- 15-381: Artificial Intelligence
- 15-210: Parallel Data Structures
- 15-213: Computer Systems (TA)

Skills

Programming

- Java
- Node.js
- HTML/CSS
- JIRA
- C
- SML
- Python
- UNIX

Certifications

- Oracle Certified Associate
- Java SE 7 Programmer

Projects

ConvNet Logo App 2017

Designed an Android neural network app capable of detecting image logos in real time.

Build-18 Robot 2017

Programmed an award winning self-balancing Star Wars spherical BB8 robot replica with team.

Spirit Alumni DB 2017

Developed a career network system for club members to enhance university relationships with alumni members.

More online at www.sclark.io/

Experience

Qualcomm – Software Engineering Intern

Summer 2017

- Developed a module capable of intercepting messages sent between modem software modules and recording resulting internal state changes.
- Implemented new strategies for transferring large structures of critical configuration information leading to significant speed improvements.
- Presented new tools in meetings as member of 5G software team.

15-213 Introduction to Computer Systems - TA

Spring & Fall 2017

- 15-213 is an undergraduate and master's course with 450+ students.
- Led recitations of 20 students, graded, and held weekly office hours.
- Responsible for midterm and final questions and the review process.

Dassault Systèmes - Software Engineering Intern

Summer 2016

- Constructed Pipeline Pilot protocols to showcase the new scientific Python integration features and built dynamic HTML5 dashboards.
- Developed git and svn based Pipeline Pilot version control models.
- Participated in both feature design and peer code review meetings.
- As a scrum team member, I designed and implemented a system to reports on performance and scalability of the Pipeline Pilot API.

Software Engineering Institute - CERT Intern

Spring 2016

- Developed the CERT STEPfwd platform, a cyber security training resource used and commissioned by the US Department of Defense.
- Participated on GreyBox project, simulating the internet in just one VM.
- Designed STEPfwd API functionality for use by physical interfaces.

Measurabl, Inc. - Software Engineering Intern

Summer 2015

- Developed Python utility data weather normalization models and created Java 8 map routines to resolve geolocations to counties.
- Implemented weather normalization models and US county map division routines into current version of primary web application.
- Responsible for development of an internal Google Scripts tool to automate operational procedures involving utility data sanity checks.

Activities

Spring Carnival Committee – Co-Chair

2015 - Present

- Elected to an executive position responsible for planning, developing and promoting the university's largest community fundraising event.
- Administered vendor relationships, budgeting constraints, and marketing strategies responsible for increasing student and alumni attendance.

MoneyThink CMU - Mentor

2016 - Present

- Promotes financial literacy at low-income high schools in Pittsburgh.

Association for Computing Machinery - Member

2016 - Present