

Stephen Clark

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Education

Carnegie Mellon University

B.S. in Computer Science

May 2019 | GPA: 3.38

La Jolla Country Day School

May 2015 | GPA: 4.15

Skills

Programming

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

Certifications

- Oracle Certified Associate
- Java SE 7 Programmer

Awards

HackCMU 2016

- Most Amusing Application

San Diego CodeDay 2015

- First Place Application

Cum Laude Society 2015

Projects

SPIRIT Alumni DB 2016

reefbreak.co 2016

Pineapple Math 2016

More online at www.sclark.io/

Experience

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.
- Worked on GreyBox project, simulating the internet in just one VM.
- Designed STEPfwd API functionality for use by physical interfaces.
- Devised strategies for automated deployment of virtual machines and core intranet critical to STEPfwd system.

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 such as utility data sanity checks.

UCSD Supercomputer Center - Research Intern

Summer 2013

- Refactored Fortran code to integrate both AMBER MD and QChem, a quantum chemistry package supporting many quantum structures.
- Developed automated benchmarks to track improvements made to the AMBER MD software application over time.

Activities

Spring Carnival Committee - Executive Board

2015 - Present

- Committee responsible for planning and running CMU's Spring Carnival, the largest on-campus event for students and alumni.

MoneyThink CMU - Mentor Captain

2016 - Present

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

Association for Computing Machinery - Member

2016 - Present