Stephen Clark

www.sclark.io
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Education

Carnegie Mellon University
B.S. in Computer Science
May 2019 | GPA: 3.43

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

Dean's List *Fall 2016*

HackCMU *2016*
- Most Amusing Application

San Diego CodeDay *2015*
- First Place Application

Projects

SPIRIT Alumni DB *2016*

reefbreak.co *2016*

Pineapple Math *2016*

More online at www.sclark.io!

Experience

Dassault Systémes - *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*