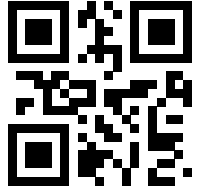


Stephen Clark

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EDUCATION

- Carnegie Mellon University - B.S. in Computer Science May 2019
- La Jolla Country Day School May 2015

SKILLS

- Programming: Java, NodeJS, SML, Python, SQL, HTML/CSS, C
- GNU+Linux: CentOS, RedHat, Fedora, RaspberryPi, bash, ssh, git
- Certifications: Oracle Certified Associate - Java SE 7 Programmer

EXPERIENCE

- BIOVIA - Dassault Systèmes - Software Engineering Intern Summer 2016
 - Designed and implemented performance and scalability tracking of the Pipeline Pilot API.
 - Constructed Pipeline Pilot examples protocols to showcase **Python** integration features.
 - Developed Pipeline Pilot protocol version control models in both **git** and **svn**.
- Software Engineering Institute - CERT Intern Spring 2016
 - Devised strategies for automated deployment of virtual machines critical to STEPfwd system.
 - Developed the CERT STEPfwd platform with a team. STEPfwd is a cyber security resource and training platform commissioned and used by the United States Department of Defense.
 - Responsible for STEPfwd API functionality in **C#** and with physical infantry simulator capable of running training scenarios in conjunction with STEPfwd.
- Measurabl Inc. - Software Engineering Intern Summer 2015
 - Developed **Python** weather normalization models and **Java 8** county map division routines.
 - Scripted weather normalization models and county map division routines into web application.
 - Responsible for automating the process of detecting outliers in utility data utilizing **Google Scripts**, saving more than a day of work.
- University California San Diego - Supercomputer Center - Research Intern Summer 2013
 - Refactored **Fortran** code responsible for extending AMBER MD capabilities. Integrated AMBER MD with QChem, a quantum chemistry package with quantum molecular structures.
 - Developed a **Python** benchmarking script to track improvements made to the AMBER MD software application.

ACTIVITIES

- La Jolla Country Day School Robotics Team - Principal Programmer 2007 - 2015
 - Developed autonomous robotic programs that utilized asynchronous sensory input in **RobotC**.
 - Responsible for assisting with electrical and mechanical assembly, programming, and leading new robot technology discussions with underclassmen.
- La Jolla Country Day School Cyber Patriot Team - UNIX Systems 2012 - 2015
 - Senior member of team responsible for identifying and securing vulnerabilities in simulated corporate networks. Team annually qualified for San Diego County Mayors Cup competition.

ACADEMIC AWARDS

- Cum Laude Society Member 2015
- San Diego CodeDay: Awarded Top Overall Application 2015
- San Diego Air & Space Museum: Jennings Kelly Scarborough Scholarship 2015
- La Jolla Country Day School: Don Ing's Engineering Scholarship Award 2014
- Rensselaer Polytechnic Institute Engineering Award 2014