

26514 Craftsmen Ct.
Santa Clarita, CA, 91350

CHRISTOPHER MILLER

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EMPLOYMENT

Automation Engineer	Strateos	Nov 2018 - Mar 2020
<ul style="list-style-type: none">• Designed and implemented a module driver to control the operation and integration of a black box workcell into our existing system. (Scala)• Redesigned the existing waypoint training script within our Preciseflex 400 arm driver to include and user friendly interface to help aid in robot QA and QC (Scala)• Further automated the weekly release process through scripting to enable automated release note generation and automated release validation scripts. (Python)• Conducted and improved our weekly release and validation thereof. (Jenkins, Ansible, Python, Shell Scripting)		
Automation Technician	Strateos	Nov 2017 - Nov 2018
<ul style="list-style-type: none">• Designed and implemented a driver for a Big Bear Thermoshaker to be integrated into our existing system (Scala)• Improved the existing thermoisolator driver to include testing suites which improved user interaction with the device and enabled the automation of QA protocols on the device (Python, C++).• Automated the software provisioning of Intel NUCs for use as nodes on the system (Ansible, Docker, Bash)• Trained and validated over 500 robotic arm waypoints at both our facility in Menlo Park and San Diego.		
Automation Associate	Strateos	Nov 2015 - Nov 2017
<ul style="list-style-type: none">• Designed and implemented an automated method for waypoint training our multichannel liquid transfer station without the need for direct ethernet connection.• Developed QC method for various devices on our workcells (Python)• Conducted and developed science protocols on our workcell in conjunction with the applications team.		

EDUCATION

Santa Clara, PA	Mission College	Jun 2018 - Jul 2020
<ul style="list-style-type: none">• A.S. in Computer and Information Systems, GPA: 3.73• Coursework: Software Development in Java (two semesters) Comp. Architecture, Robotics and Embedded Systems, C/C++ (two semesters), Algorithms and Data Structures, Linux Shell Scripting (two semesters)		
Santa Cruz, CA	University of California, Santa Cruz	Sep 2012 - Jun 2015
<ul style="list-style-type: none">• B.S. in Biochemistry and Molecular Biology - GPA: 3.74• Graduated Cum Laude, member of the Golden Key Honor's Society		

Projects

- **Movie Night** - A webapp where friends can suggest and vote on which movie they'd like to watch for their next movie night. (MongoDB, Express, React, Node, GraphQL, OMDB API)
- **Exercise Tracker** - A webapp to keep track of both exercise and nutrition. (MongoDB, Express, React, Node, GraphQL)
- **SpaceX Launch Track** - A website to track the SpaceX launches. (MongoDB, Express, React, Node, GraphQL, SpaceX API)

Languages and Technologies

- Python, Scala, C/C++, Java, Ansible, Docker, Javascript, React, Redux, Git, Shell Scripting, Linux
- Visual Studio, Jenkins, Slack, Phabricator, IntelliJ