

Matt Carberry

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(415) 606-5993

SKILLS

Languages & Software: C, C++, Python
Operating Systems: Linux (Arch, Debian), Windows, OS X
Hardware: KiCad

EXPERIENCE

Project Specialist September 2011 - July 2013

Moon Express, Mountain View, CA

- Developed CherryPy based web application for remotely operated telescope
- Developed software for remote control and operation of two-wheel lunar rover prototype
- Configured and modified generic AM335x VxWorks Board Support Package for use on Beaglebone
- Developed utilities to support quadcopter-based hazard avoidance algorithm testing
- Installed and configured Kerberos and OpenLDAP for authorization and authentication of internal services
- Installed and configured Apache server for Trac, Mercurial, Alfresco
- Implemented onsite backup to consumer NAS
- Installed and configured Mikrotik router
- Cabled new offices for wired networking

Computer Programming Intern

June 2010 - August 2011

NASA Ames Research Center, Mountain View, CA

- Lead communications system development for Lunar Micro-Rover project including support for satellite communication during remote testing phases
- Developed library for getting/setting health and configuration data from UHF ethernet bridge

EDUCATION

Bachelor of Science, Computer Engineering

Expected June 2017

University of California, Santa Cruz

GPA: 3.7

Transfer Credits

September 2013 - June 2015

Sacramento City College, Sacramento, CA

COURSEWORK

- Signals & Systems
- Computer Systems & C Programming
- Electric Circuits
- Discrete Mathematics
- Computer Architecture