Nick McComb

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EDUCATION

Oregon State University
B.S. in Electrical and
Computer Engineering
Minor in Computer Science
Expected Grad. June 2019
GPA 3.49

SKILLS

Electrical:
ECAD:
50+ PCBAs in Altium Designer:
http://nickmccomb.net/pcb
Simulation:
LT Spice, ngspice
Processes:
SMT Soldering, TH Soldering,
Reflow Soldering, Oscilloscope
Operation, Debugging

Programming
Proficient:
C, C++, Arduino C, Python 2.7,
HTML, CSS
Exposure:
PHP, Javascript, Assembly, VHDL,
Bash, Batch, Matlab, LabVIEW
Tools:
Git, Vim, UNIX, Linux, LaTeX

COURSEWORK

Microcontrollers
Microcontroller Architecture
Applied Robotics
Signals Analysis (I, II)
Operating Systems (I, II)
Multimedia Systems
Networking

SERVICE

ResiSTORE Founder, Volunteering
FIRST, Science Team Volunteering

01.31.2019

EXPERIENCE

Space Exploration Technologies — Hawthorne, CA
Avionics Test Engineering Intern, http://spacex.com — Fall 2018 - Present
- Interim Responsible Test Engineer for multiple products
- Implemented and tested revisions to flight PCBAs

Avionics Hardware Development Intern, http://spacex.com — Fall 2017
- Designed PCBA and wrote software for hardware bringup
- Implemented demo of novel rocket sensor architecture

Ocean Mixing Group — Corvallis, OR
Electronics Lead, http://nickmccomb.net/ROSS — Jan 2015 – Sep 2018
- Developed autonomous robotic oceanographic data platform deployed to collect unique and novel data across the world
- Managed team of 5+ Undergraduate Engineering Students
- Designed uC PCBs, Power Dist., Autonomy, RPi/NUC, Battery system, Data Logging, Engine/Motor/Servo Control and more

OSU Robotics Club — Corvallis, OR
Mars Rover Team Lead/Electrical Lead, Treasurer — June 2017 - Aug 2018
- Placed first in Canadian International Rover Challenge

Club President, https://osurobotics.club — June 2015- June 2017
- Manage operations of largest academic club on campus
- Increased funding by 375% (budgeted over $30k per annum)
- Increased membership by over 50% (club has 200+ members)

Previously: Vice-President, Web Developer, Mars Rover Electrical-Sub Team Lead

Dynamic Robotics Laboratory — Summer 2014
Undergraduate Research Assistant — Corvallis, OR

OSU Teaching Assistant
Applied Robotics (ROB421/521), CS161, CS162 — Corvallis, OR

FIELD WORK

ROSS at LeConte Glacier Round 2
Outside of Petersburg, AK, April/May, 4 weeks in field, 7 days at sea

ROSS at LeConte Glacier http://nickmccomb.net/leconte-glacier
Outside of Petersburg, AK, Aug 2016, 7 days at sea

ROSS in ASIRI 2015 http://nickmccomb.net/asiri-2015
Bay of Bengal, Aug-Sep 2015, 30 days at sea

OSU Robotics Club Mars Rover Competition http://nickmccomb.net/srrc
Worchester, MA, June 2015, 5 days of competition