Matthew Ryan McNichols

CONTACT INFORMATION	4116 Hawthorne pl Longmont Colorado 80503	(303) 981-0851 `mamc0310@colorado.edu`

EDUCATION

CU Boulder, CO 2013-Present 3.3 GPA

Bachelors of Electrical and Computer Engineering
Member of the CU Honor Society
Course work:
C Programming, Digital Logic, Wireless Programming, Probability, Data Structures, Programming Digital Systems, Digital Design Lab, Microelectronics, Linear Systems, DSP, Intro to AI

University of Dayton,Dayton,OH 2012-2013

Undergraduate Engineering undecided
Course work:
Only attended the university for freshman year but took classes focused on innovation, working in teams, building and testing a prototype, presenting the design and writing about it scientifically.

INTERNSHIP EXPERIENCE

Reflexion Health
DevOps Intern   May 2016 - Present
- Gained an understanding of AWS Cloud infrastructure
- Became familiar with DevOps tools including docker, terraform, puppet, netuitive and sumologic
- Experience using git repositories for version control
- Experience using teamcity to automate the build process for development teams

Intelliprop Inc.
System Verification Developer   May 2015 - May 2016
- Experience coding on Linux operating system. Following coding styles and directory structures while operating from the command line
- Use System Verilog (object oriented language) to simulate a NVMe device Host
- Understand PCIe and NVMe protocols, then build a core to verify the functionality of intelliprop's NVMe device.
- Use CVS and SVN for version control
- Randomize commands and command sequences to verify device functionality

University of Colorado at Boulder, Environmental Engineering Department
Lab Technician / Intern   June 2011 - May 2015
- Explore the effects of various filtration techniques that could be used in large scale water treatment facilities.
- Assist PHD candidates with their lab activities. Gained valuable experience with proper set up and running of experiments with laboratory equipment.
- Run small scale carbon filtration simulations. Spike water with different mixtures of contaminants then run the water through a bed of carbon and periodically sample to see if contaminant remains in the water after filtration.

REFERENCES

Hiren Patel , CTO Intelliprop Inc,Texas A&M, `hirenrp@intelliprop.com`
Ben Mehling , CTO Reflexion Health, `benm@reflexionhealth.com`
Professor Fernando Rosario , CU Boulder PHD, `fernando.rosario@colorado.edu`