Michael King
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EDUCATION

Western Carolina University — Cullowhee, NC
B.S. in Electrical and Computer Engineering Technology; GPA: 3.62; Dean's List 2 semesters — *Aug. 2011 – May 2015*
B.S. in Computer Science; Minor in Mathematics; GPA: 3.27; Dean's List 2 semesters — *Aug. 2012 – May 2016*

EXPERIENCE

MWW On Demand — Hendersonville, NC
Software Developer (Full Stack) — *Mar. 2017 - Present*

- **JSON API & Web App**: Develop and maintain a web app that uses an EmberJS UI, a Ruby on Rails backend and JSON API, as well as a PostgreSQL database. This web app helps to streamline the manufacturing process from start to finish.

Western Carolina University — Cullowhee, NC
Laboratory and Project Assistant — *Aug. 2015 - May 2016*

- Oversaw engineering labs and classrooms.
- Assisted on graduate and course projects carried out in the engineering and technology department.
- Assisted engineering professors on day-to-day activities.

RadioShack & Carolina West Wireless — Newland, NC
Technician & Sales Associate — *May 2012 - Jan. 2016*

- Offered customer service and aid in the sales of store products as well as troubleshooting and repairing electronic devices.

Avery County Schools — Newland, NC
IT Internship — *Aug. 2010 - Jun. 2011*

- Intern under my high-school's head IT technician (and former NASA engineer of 30 yrs.). My tasks included repairing computers, printers, TVs, projectors, taking inventory, building new computers for labs, installing wireless access points, among others.

PROGRAMMING SKILLS

- **Languages**: Ruby, Python, Javascript, Java, C/C++, SQL, Bash, LaTeX
- **Frameworks & Libraries**: Rails, EmberJS, React, Node
- **Technologies & Tools**: Git, Atlassian Software (Jira, Trello, Confluence), Passenger, Redis, Sidekiq, Capistrano, Material Design, Bootstrap
- **Methodologies**: OOP, MVC, TDD, Agile, Active Record

ENGINEERING SKILLS

Circuit analysis • Circuit design • PCB fabrication • Digital Signal Processing • MATLAB • Arduino • Raspberry Pi • Microcontroller interfacing • Motor control • CNC operation • 3D printing

SOCIETIES AND ORGANIZATIONS

- Institute of Electrical and Electronics Engineers (IEEE) — 2014 - present
  (Secretary of WCU Student Branch)
- Association for Computing Machinery (ACM) — 2014 - present
- WCU Robotics Club — 2014 - 2016
  (Team programmer and electrical engineer)
- WCU Computer Science & Math Club — 2014 - 2016
- WCU Pride of the Mountains Marching Band — 2011 - 2013

EXTRACURRICULAR

Astronomy • Astrophotography • German (proficient) • Robotics • Scripting & internet bots • Gaming DIY electrical projects • Guitar • Hiking