

BEN BURWELL

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Education

- **Muhlenberg College** — Allentown, PA May 2015
B.S. in Computer Science, minor in Mathematics. *Magna cum laude*; with Honors in Computer Science.

Experience

- **Software Engineering Intern at Lutron Electronics** — Coopersburg, PA summer 2014
Implemented Wireshark dissectors for proprietary network protocols in C. Wrote additional components to streamline monitoring serial interfaces with Wireshark. Created design documentation, configured SCM, and designed CI/CD workflows. Presented demonstrations of the software and training on its use to a wide variety of stakeholders across the company.
- **Peer Tutor at Muhlenberg College** — Allentown, PA 2012–2015
Provide one-on-one academic support to computer science students in weekly tutoring sessions and communicate with professors and the Academic Resource Center regarding student progress. Lead semiweekly content workshops to review class material for Computer Science I and II. Attending regular training seminars led to certification from the College Reading and Learning Association.
- **Muhlenberg College: Sound Technician** — Allentown, PA 2012–2015
Provide live sound mixing for student and guest performers at a variety of events throughout the year. Understand the needs of performers in order to set up and configure sound systems to accommodate them.
- **Full Stack Web Designer and Developer** (Self Employed) 2010–2015
Work with clients to understand needs, create compelling interactive experiences, provide standards-compliant implementations using current web practices, and deliver ongoing support.
- **Technical Support Specialist at Princeton Day School** — Princeton, NJ 2008–2011
Provided technical support to students and teachers using Apple desktops and laptops on the school network using Apple Remote Desktop, Workgroup Manager, and Server Admin. Performed maintenance including cleaning, imaging, and hardware upgrades on school workstations.

Skills

- **Frontend:** HTML5/XHTML, CSS3, Less, Sass, JavaScript, CoffeeScript, jQuery, Angular
- **Full-Stack:** PHP/MySQL, Node.js/MongoDB
- **Backend:** C, Ruby, Java
- **Tools, Platforms, Frameworks:** Heroku, git, Jenkins CI, Debian Linux, OS X, Express.js, actionhero.js

Activities and Honors

- **Volunteer EMT** — Pennington First Aid Squad; Muhlenberg College EMS
- **Pi Mu Epsilon National Honorary Mathematics Society**
- **Omicron Delta Kappa National Leadership Honor Society**