

# Samuel Schmidt

## Software Engineer

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### Work Experience

**Applications Developer** | *UPS* | Louisville, KY **2016-Present**

- Full-stack developer responsible for knowledge of all project components.
- Managed all database code – reduced deployment errors to zero.
- Led sub-team; improved documentation (for both code and design) and team efficiency.
- Championed peer-led “Jam Sessions” to increase team innovation and knowledge.

**Software Engineering Intern** | *The Walt Disney Company* | Lake Buena Vista, FL **2016**

- Contributed simultaneously to several Show Controls projects.
- Increased maintenance and troubleshooting efficiency by updating a current utility.
- Created vital documentation for a new nighttime spectacular.

**Research Assistant** | *Cincinnati Children's Hospital Medical Center* | Cincinnati, OH **2013-2015**

- Built and tested full-stack components for various Biomedical Informatics projects.
- Wrote web spider to eliminate need for tedious manipulation of AERSMine datasets (see Publications).

**Software Engineering Intern** | *Cisco Systems* | San Jose, CA **Summers 2012-13**

- Established an OS framework for a new logging tool on the Nexus 7K switch.
- Increased developer efficiency by automating repetitive tests and configuration changes.

### Projects

**In-Progress Beer App** | [github.com/SamSchmidt/beer-app](https://github.com/SamSchmidt/beer-app)

- Responsive web app that recommends local breweries and beer.

### Education

**MS Computer Science, *cum laude***

University of Cincinnati | Cincinnati, OH

**Dec. 2015**

Thesis: A Massively Parallel Algorithm for Cell Classification Using CUDA

**BSE Computer Science Engineering, *cum laude***

University of Michigan | Ann Arbor, Michigan

**May 2013**

### Skills

**Languages** – C#, Java, C/C++

**Scripting** – JavaScript, MS SQL, R, Python (exposure)

**Web Development** – HTML/CSS, jQuery, ASP.NET, node.js, AngularJS

**Technical Communication** – Design Documents, Presentations, Reports, Memos

### Publications

Sarangdhar, M. et al., “Data mining differential clinical outcomes associated with drug regimens using adverse events reporting data”, *Nature Biotechnology*, 2016. [research.cchmc.org/aers](http://research.cchmc.org/aers)

### Interests

**Application Development** – Web Apps, iOS, Windows Mobile (UWP), Linux/Unix

**Modern Software Engineering** – Agile, DevOps, Scrum

**Complex Systems** – Embedded Systems, Distributed Computing, Networks

**Non-tech** – Long-distance Running; Trumpet Player, 12 years (Michigan Marching Band)