

# Samuel Schmidt

## Software Engineer

859.750.8490  
CSTSchmidt@gmail.com

SamuelSchmidt.me  
linkedin.com/in/SamuelSchmidtCS  
github.com/SamSchmidt  
bitbucket.org/SamSchmidt

Significant experience in various software development positions. Strong record of exceeding project demands. Build robust applications from scratch, but excel at augmenting and adding to existing systems, whether on a team or as an individual. Able to learn new technologies quickly in order to make an immediately positive impact. Do the little things right - clean code and documentation are not just an afterthought. Interested in Scrum/Agile development.

## Education

**MS | Computer Science, *cum laude*** Dec 2015  
University of Cincinnati | Cincinnati OH  
*Thesis: A Massively Parallel Algorithm for Cell Classification Using CUDA*

**BSE | Computer Science Engineering, *cum laude*** May 2013  
University of Michigan | Ann Arbor, Michigan

## Work Experience

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

- Contributed simultaneously to several Show Controls projects.
- Increased maintenance and troubleshooting efficiency by porting a current utility to Windows 10 using C#.NET.
- Created vital documentation for a new nighttime spectacular. Diagrams will improve uptime and reduce maintenance complexity.

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

- Built and tested web and back-end components for various Biomedical Informatics projects.
- Created AERSMine to enable big data mining on FDA datasets (see Publications).
- Configured Solr Cloud environment to enhance AERSMine's speed and usability.

**Software Intern II | Cisco Systems | San Jose, CA** Summer 2013

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

**Software Intern I | Cisco Systems | Boxborough, MA** Summer 2012

## Skills

**Languages** – C/C++, Java, C#, Objective-C  
**Scripting** – JavaScript, Python, R, MATLAB, Tcl  
**Web Development** – HTML/CSS, AngularJS, jQuery, JSP  
**Technical Communication** – Design Documents, Presentations, Reports, Memos  
**Other** – Git, SVN, Networking, Complex Systems

## Publications

Aronow, et al., "Datamining differential clinical outcomes associated with therapeutic drug regimens using adverse events reporting data", *Nature Biotechnology*, forthcoming.

- Data mining application designed to analyze the FDA's Adverse Event Reporting System.
- research.cchmc.org/aers

## Interests

**Application Development** – iPhone, Windows Mobile (UWP), Web Apps  
**Hardware Hacking** – Raspberry Pi, Leap Motion, Microsoft Kinect  
**Complex Systems** – Operating Systems, Embedded Systems, Low-level Controls  
**Non-tech** – Trumpet player, 12 years (Michigan Marching Band), Distance Running (currently marathon training)