

# Thomas J. Schutte

Campus  
Address

I can be reached via my contact page.

Permanent  
Address

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## Education

**B.S. Computer Engineering and Computer Sciences**

GPA: 3.56/ 4.00

*University of Wisconsin-Madison*

Expected December 2017

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## Experience

**Amazon Web Services (AWS) QuickSight** – Seattle, WA 98101

May 2017 – August 2017

(Cloud-powered business analytics service to build visualizations, perform ad-hoc analysis, and quickly get insights from your data.)

Software Development Engineer (SDE), Intern – Member of database engine team

- Developed data ingestion tool for use as part of acceptance testing
- Helped expand test framework as part of increasing test coverage
- Researched existing tools for testing databases systems and if there was value to try to apply them to our system
- Participated in 2-week sprint cycle to break down tasks into smaller deliverable goals

January 2016 – September 2016

**Extreme Engineering Solutions** – Middleton, WI 53562

(Creates standard & custom embedded computing boards & systems for rugged military & commercial applications.)

Associate Embedded Engineer, Coop – Member of U-Boot bootloader team

- Worked full time on embedded systems alongside professional embedded engineers
- Created continuous integration builds using Jenkins, Robot, and Python
- Set up system for automated testing on U-Boot repository
- Researched and implemented Freescale Secure Boot technologies in U-Boot for PowerPC
- Helped troubleshoot and review code to be added to repository

January 2015 – November 2015

**Maverick Software Consulting** – Madison, WI 53715

(Maverick Software Consulting brings together top computer science students with corporations seeking development talent.)

Software Engineer, Intern – Student programmer on large web app

- Software development working 20 hours a week alongside full class schedule
- Contractor for Thomson Reuters, working on current production products alongside lead developers
- Updated legacy code to new MVC5 formats, making product more modern
- Participated in agile standup meetings discussing future work for projects and what developers were working on
- Communicated with team daily on current progress and any pain points, participating in meetings as needed
- Researched and implemented new technologies that had potential use and application in our product

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## Computer Skills

Languages and Technologies:

Experienced in: Java, C#, C, HTML, CSS,

Familiarity with: Javascript, SQL, C++, Python, Verilog, System-Verilog, Node.js

Software Tools worked with:

Visual Studio 2012, Eclipse, Idle, ModelSim, Altera Quartus, SQL Server

Management Studio, Windows, Redhat Linux, Ubuntu

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## Activities and Projects

**Enlight Student Organization**, Vice President (2016), Senior Advisor (2015 - Present), Member (2014 – Present)

- Student led projects group, focused on hardware and software
- Assisted in creation of VR-games to help get children interested in STEM
- Assisted in creation of programmable maze navigating car to get children interested in STEM
- Act as a senior leader, helping new students on projects and guiding project ideas

### Personal projects

- Personal website built on NodeJS and bootstrap
- Internet of things Cloud lamp – allowed for lamp to display in near real-time weather events and status

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## Honors and Awards

- College of Engineering Dean's Honors List (8 / 8 semesters)
- Claude and Dora Richardson Scholarship (Fall 2015, Fall 2016)
- IEEE-HKN Honor Society (Top quarter of juniors, top third of seniors) (Spring 2015 – Current)
- American Society of Civil Engineers technical paper competition, placed 5<sup>th</sup> (Spring 2014)
- Boy Scouts of America, Eagle Scout Rank (Fall 2013)