

# Thomas J. Schutte

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**Campus**

1134 Mound St.  
Madison, WI 53715

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tomschutte.xyz

github.com/tjschutte

**Permanent**

13616 Everest Ave  
Apple Valley, MN 55124

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## Education

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

GPA: 3.55/ 4.0

*University of Wisconsin-Madison*

Expected December 2017

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## Experience

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

January 2016 – September 2016

Associate Embedded Engineer, Coop

- 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

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

January 2015 – November 2015

Software Engineer Intern

- 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 plans 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

**CyberPower Systems** – Shakopee, MN 55379

June 2014 – August 2014

Engineering Intern

- Assisted electrical engineers in troubleshooting defective UPS battery backup systems
  - Worked on defective units to find defective part and its potential cause
  - Helped engineers rework units and update them to a new specification
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## Computer Skills

Programming / Hardware Languages:

Familiarity with: Java, C#, Javascript, C, HTML, CSS, (Basic) SQL, (Basic) Python, (Basic) Verilog, (Basic) System Verilog

Environments / Software

Visual Studio 2012, Eclipse, Idle, ModelSim, Altera Quartus, SQL Server Management Studio, Windows, Redhat Linux, Ubuntu

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## Activities

**Enlight Student Organization**

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

**“Mad Hacks” Madison Hack-a-thon**

- Developed small web app that used Google’s calendar API
  - Used Raspberry pi and touchscreen interface to make modern UI
  - Learned some basic Django and applied it to this project
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## Honors and Awards

- College of Engineering Dean's Honors list (6 / 6 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)
- AP Scholar with Distinction (Spring 2013)