

# NATHAN MANSKE

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[www.github.com/nmanske](http://www.github.com/nmanske)

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## EDUCATION

Austin, TX	The University of Texas at Austin	May 2016
<ul style="list-style-type: none"><li>• <b>Major:</b> Electrical Engineering, B.S.E. (overall GPA: 3.33)</li><li>• <b>Programming Coursework:</b> Algorithms, Software Engineering and Design Lab, Software Design and Implementation</li><li>• <b>EE Coursework:</b> Embedded Systems Design Lab, Computer Architecture, Digital Systems Design, Circuit Theory</li></ul>		

## EMPLOYMENT

Computer Engineer	Erin Condren Design	October 2017 - Present
<ul style="list-style-type: none"><li>• Support the robotics and electronics automation for a production environment</li><li>• Build a web app to analyze and accelerate item fulfillment and quality control tasks</li><li>• Develop embedded systems to increase the speed and accuracy of the order picking process</li><li>• Streamline business solutions using Google Apps Script and custom Slack bots</li><li>• Implement a barcode scanning system to be used in a customer order status tracker</li><li>• Skills: Python, Django, C, JavaScript, HTML/CSS, Heroku, Electron, Bash, Embedded Systems Design</li></ul>		
Software Engineer	Accenture	August 2016 - October 2017
<ul style="list-style-type: none"><li>• Manage wireless networking devices using service-specific interfaces</li><li>• Develop and test new product features for various businesses</li><li>• Automate tasks to assist in network management and debugging</li><li>• Participate in a large and highly-effective Agile team</li><li>• Skills: Python, Bash, Wireless Networking</li></ul>		

## PROJECTS

- **Wi-Fi Enabled Voting Machine** - Designed a portable device using a custom PCB; submitted polling results to a server after verifying a unique PIN; displayed database contents in table and graph formats. C, LAMP, HTML, JavaScript.
- **BBQ Smoker Temperature Controller** - Fabricated a prototype that maintained the temperature of a smoker using a fan and control feedback loop; connected the controller to an Android phone via Bluetooth. C.
- **Online Multiplayer Maze Game** - Developed a competitive racing game using the Socket.IO protocol; included an in-game chat window and various player upgrades. JavaScript, HTML, PHP, JSON.

## SKILLS

- **Software:** Python, Django, JavaScript, C/C++, Java, HTML/CSS, Git; Bash, SQL, Heroku, Electron
- **Hardware:** Circuit Analysis, PCB Design, Microcontroller and FPGA Programming, Wireless Networking

## ACHIEVEMENTS

- **Third Place, Embedded Systems Design Lab Competition** - Achieved third place for the Wi-Fi Enabled Voting Machine project out of 35 projects.
- **News Article, Senior Design Project** -. Featured in the Daily Texan Online for the demonstration of a BBQ Smoker Temperature Controller.