

# NATHANIEL C. MANSKE

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## EDUCATION

<b>The University of Texas at Austin</b>	<b>Austin, TX</b>	<b>May 2016</b>
<ul style="list-style-type: none"><li>• B.S.E. in Electrical Engineering</li><li>• Overall GPA: 3.33/4.00</li><li>• Related Coursework: Software Engineering and Design Lab, Circuit Theory, Embedded Systems Design Lab, Computer Architecture, Digital Systems Design Using HDL, Senior Design Project</li></ul>		

## WORK EXPERIENCE

<b>Accenture – Software Engineer</b>	<b>Austin, TX</b>	<b>August 2016 – Present</b>
<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>• Standardize development environment using Docker containers</li></ul>		

## ACADEMIC EXPERIENCE

- **Wi-Fi Enabled Voting Machine** (2016). 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** (2016). 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** (2015). 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

- Java; Python; JavaScript; C; C++; MySQL; HTML; CSS; PHP; REST; Docker; Git; Bash; Verilog; VHDL; MS Office
- Circuit Analysis; Electrical Measurements; PCB Design; Microcontroller and FPGA Programming

## ORGANIZATIONS

- **Internal Affairs Chair, Engineers for a Sustainable World** (Fall 2015 – Spring 2016). Coordinated food arrangements using an allotted budget; volunteered for various fundraising events.
- **Member, UT Austin Robotics and Automation Society** (Fall 2013 – Spring 2014). Assembled a specialized robotic vehicle for competitive use.
- **Technical Fellow, Texas A&M IEEE Microcontrollers** (Spring 2013). Programmed TI microcontrollers in weekly workshops; assisted members with lab setup and debugging.

## ACHIEVEMENTS

- **Third Place, Embedded Systems Design Lab Competition** (Spring 2016). Achieved third place for the Wi-Fi Enabled Voting Machine project out of 35 projects.
- **News Article, Senior Design Project** (Spring 2016). Featured in the Daily Texan Online for the demonstration of a BBQ Smoker Temperature Controller.