NATHANIEL C. MANSKE

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EDUCATION

The University of Texas at Austin   **Austin, TX**   May 2016
- B.S.E. in Electrical Engineering
- Overall GPA: 3.33/4.00
- Related Coursework: Software Engineering and Design Lab, Embedded Systems Design Lab, Circuit Theory, Computer Architecture, Digital Systems Design Using HDL, Senior Design Project

WORK EXPERIENCE

Accenture – Software Engineer   **Austin, TX**   August 2016 – Present
- Manage wireless networking devices using service-specific interfaces
- Develop and test new product features for various businesses
- Automate tasks to assist in network management and debugging
- Participate in a large and highly-effective Agile team
- Skills: Python, Bash, Wireless Networking

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

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

ORGANIZATIONS

- **Internal Affairs Chair, Engineers for a Sustainable World** (Fall 2015 – Spring 2016). Coordinated event 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.