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

Erin Condren Design – Computer Engineer   **Austin, TX**   October 2017 – Present
- Support robotics and electronics automation process for assembly line manufacturing
- Develop embedded systems to increase the speed and accuracy of the order picking process
- Streamline business processes using Google Apps Script and custom Slack bots
- Implement a barcode scanning system to be used in a customer order status tracker
- Skills: C, Python, JavaScript, Google Apps Script, Embedded System Design

Accenture – Software Engineer   **Austin, TX**   August 2016 – October 2017
- 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; Google Apps Script; Docker; Verilog
- Circuit Analysis; Electrical Measurements; PCB Design; Microcontroller and FPGA Programming; Wireless Networking

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.