

NATHAN MANSKE

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EMPLOYMENT

Software Engineer **Salient Systems** **January 2020 - Present**

- Develop software for a server application that records and plays back video from security cameras
- Collaborate across teams to build out major features such as a cloud solution and multi-streaming
- Leverage computer vision libraries to implement video analytics capabilities such as motion detection
- Troubleshoot and resolve customer bugs by analyzing crash dumps, network captures, and system logs
- Deliver results using an Agile workflow and participate in code reviews for monthly releases
- Skills: C++, C#, JavaScript, Python, WireShark, WinDbg, Boost, OpenCV

Embedded Software Engineer **Carnegie Technologies** **August 2019 - December 2019**

- Design and develop software for gateway devices and a network server implementation for an industrial IoT project
- Implement a message queuing system for efficient communications between gateway devices and the cloud
- Deliver results using an Agile workflow and participate in code reviews for weekly releases
- Skills: C++, Python, Bash, Linux, MQTT, Wireless Networking

Computer Engineer **Erin Condren Design** **October 2017 - July 2019**

- Support the robotics and electronics automation process within a production environment
- Build a web app to analyze and accelerate item fulfillment and quality control tasks
- Develop embedded systems to increase the speed and accuracy of the order picking process
- Streamline business solutions using Google Apps Script and custom Slack bots
- Skills: C/C++, Python, Django, JavaScript, HTML/CSS, Bash, Heroku, Electron, Embedded Systems Design

Associate Software Engineer **Accenture** **August 2016 - October 2017**

- Managed wireless networking devices using service-specific interfaces
- Developed and tested new product features for various businesses
- Automated tasks to assist in network management and debugging
- Participated in a large and highly-effective Agile team
- Skills: Python, Bash, Wireless Networking

EDUCATION

Austin, TX **The University of Texas at Austin** **May 2016**

- **Major**: Electrical Engineering, B.S.E. (overall GPA: 3.33)
- **Programming Coursework**: Algorithms, Software Engineering and Design Lab, Software Design and Implementation
- **EE Coursework**: Embedded Systems Design Lab, Computer Architecture, Digital Systems Design, Circuit Theory

SKILLS

- **Software**: C/C++, Python, C#, JavaScript, HTML/CSS, Git, Bash, SQL
- **Hardware**: Embedded Systems Design, MCU and FPGA Programming, PCB Design, Wireless Networking