

## education

<b>Texas A&amp;M University</b> , College Station, TX <i>Master of Science in Computer Science</i> <i>Bachelor of Science in Computer Science, Minors in Business &amp; Mathematics</i> <ul style="list-style-type: none"><li>University Honors and Undergraduate Research Program</li><li>Engineering Honors (Computer Science) Program</li></ul>	May 2019 4.0 GPA 4.0 GPA
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## experience

<b>Dell (Office of the CTO)</b> , Austin, TX <i>Software Architecture Intern</i> <ul style="list-style-type: none"><li>Implemented libraries improving user experiences in Windows 10 using the Windows APIs.</li><li>Filed patent disclosure; presented project to company executives including Vice Chairman.</li><li>Constructed test apparatus for mounting VR headsets and automating rotational motion.</li><li>Wrote VR test software for collecting sensor data and extrapolating motion-to-photon latency.</li></ul>	2017 – 2018
<b>Lockheed Martin Aeronautics (Skunk Works)</b> , Fort Worth, TX <i>Software Systems Intern (Secret Clearance)</i> <ul style="list-style-type: none"><li>Designed and implemented multiple improvements for missions system HMI software.</li><li>Improved speed and efficiency of radar analysis tools by translating and optimizing algorithms.</li></ul>	2016
<b>Apex Capital Corp</b> , Fort Worth, TX <i>Software Engineer Intern</i> <ul style="list-style-type: none"><li>Developed a web application for mapping client data and planning client visitation trips.</li><li>Created plugins to improve internal issue tracking and repository management software.</li></ul>	2015

## activities

<b>Student Engineers' Council</b> , Texas A&M University <i>Legislation Chair, Executive Council</i> <ul style="list-style-type: none"><li>Led the committee that wrote and administered official College of Engineering Student Survey.</li><li>Analyzed survey responses and presented results to vice chancellor and dean of engineering.</li></ul> <i>Marketing Coordinator, Engineering Career Fair</i> <ul style="list-style-type: none"><li>Designed and distributed materials to promote the largest student-run career fair in the nation.</li></ul>	2016 – present
<b>Christian Engineering Leaders</b> , Texas A&M University <i>Treasurer &amp; Administrative Executive</i> <ul style="list-style-type: none"><li>Organized and maintained financial records; facilitated internal logistics and communication.</li></ul>	2014 – 2016

## research

<b>Recognizing Seatbelt-Fastening Activity using Wearable Sensor Technology</b> <ul style="list-style-type: none"><li>Utilized machine learning and data analytics to develop algorithm that recognizes seatbelt motion.</li><li>Established novel features yielding f-measure of 1 in controlled tests and 0.825 in naturalistic tests.</li></ul>	2016 – 2017
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## projects

<b>Aggie Scheduler</b> , aggiescheduler.com <ul style="list-style-type: none"><li>Created online tool used by thousands of students to easily plan their upcoming class schedules.</li><li>Developed full-stack web application providing current course information and grade distributions.</li></ul>	2016 – present
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## skills

### Software Development

- C# (.NET)
- Python
- C++
- Java
- C

### Agile Methodology

- Git Version Control
- Atlassian Suite

### Web Development

- JavaScript
- AngularJS
- Node.js
- HTML
- CSS
- PHP
- REST
- IBM BlueMix

### Database Interaction

- SQL
- MongoDB
- CouchDB

### Design Tools

- Adobe Photoshop
- Adobe Premiere
- Adobe Illustrator
- Unity Game Engine

**Secret-Level Government Security Clearance**