

JAKE LELAND

jakeleland.com • linkedin.com/in/jakeleland

seeking summer
2018 internship

Revised 8/12/17

education

- Texas A&M University**, College Station, TX May 2018
Bachelor of Science in Computer Science, Minor in Business 4.0 GPA
- University Honors and Undergraduate Research Program
 - Engineering Honors (Computer Science) Program

experience

- Dell (Office of the CTO)**, Austin, TX 2017
Software Architecture Intern
- Researched and developed extended reality solutions.
 - Created a test harness to measure key performance indicators for Dell Visor in VR environment.
 - Presented findings to executives including president of Client Product Group and Client CTO.
- Lockheed Martin Aeronautics**, Fort Worth, TX 2016
Software Systems Intern
- Designed and implemented multiple improvements for HMI software.
 - Improved speed and efficiency of software tools by translating and optimizing algorithms.
- Apex Capital Corp**, Fort Worth, TX 2015
Software Engineer Intern
- Developed a web application for mapping locational data and planning business trips.
 - Created plugins to improve internal issue tracking and repository management software.

activities

- Student Engineers' Council**, Texas A&M University 2016 – present
Legislation Chair, Executive Council
- Led the committee that wrote and administered official College of Engineering Student Survey.
 - Analyzed survey responses and presented results to vice chancellor and dean of engineering.
- Marketing Coordinator, Engineering Career Fair*
- Designed and distributed materials to promote the largest student-run career fair in the nation.
- Christian Engineering Leaders**, Texas A&M University 2014 – 2016
Treasurer & Administrative Executive
- Responsible for the organization's finances; facilitated internal logistics and communication.

research

- Recognizing Seatbelt-Fastening Activity using Wearable Sensor Technology** 2016 – 2017
- Utilized machine learning and data analytics to develop algorithm that recognizes seatbelt motion.
 - Established novel features yielding f-measure of 1 in controlled tests and 0.825 in naturalistic tests.

projects

- Aggie Scheduler**, aggiescheduler.com 2016 – present
- Created online tool used by thousands of students to easily plan their upcoming class schedules.
 - Developed full-stack web application providing current course information and grade distributions.

skills

Software Development

- C++
- 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