

Tyler J. Durden

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EDUCATION

TEXAS A&M UNIVERSITY

BS IN COMPUTER SCIENCE

Expected May 2018

Cum. GPA: 3.87 / 4.0

Major GPA: 4.0 / 4.0

Conc. in Mathematics

Dean's List

LINKS

Github:// [tylerjdurden](#)

LinkedIn:// [tylerjdurden](#)

Website:// [tylerjdurden](#)

COURSEWORK

HONORS

Computer Organization

Communications and Cryptography

Operating Systems

UNDERGRADUATE

Data Structures and Algorithms

Combinatorics

Programming Languages

Linear Algebra

Programming Studio

Computer Systems

SKILLS

LANGUAGES + TECHNOLOGIES

Experienced:

Java • C/C++ • JavaScript • Python

LaTeX • Vim • HTML/CSS • SQL

Haskell • Bash

Familiar:

PHP • Android • Hadoop/Hive

EXPERIENCE

USAA | IT INTERN - BUSINESS INTELLIGENCE

May 2016 - August 2016 | San Antonio, TX

- Created a RESTful API backend as a web application for automated testing. Sped up model testing and replacement by an order of magnitude.
- Developed two programmatic Hive query templates to assist modelers in retrieving data from Hadoop.
- Assisted "Anticipate, Detect, Respond" team in creating a call-routing model to better service members over the phone.
- Led project with Fraud team in protecting USAA against fraudulent transaction attempts over the phone by gathering social engineering data in Hadoop.
- Implemented programmatic improvements to \$6MM automotive vehicle reports model.

OCEUS NETWORKS | SOFTWARE ENGINEERING INTERN

May 2015 - Aug 2015 | Plano, TX

- Developed parsing application in PHP for managing remote alarms in 4G LTE boxes.
- Built automatic authentication for in-house reporting engine using Javascript.

TEXAS A&M UNIVERSITY | PEER TEACHER

August 2015 - Present | College Station, TX

- Developed and led weekly two hour reviews discussing content of introductory Computer Science class.
- Taught students one-on-one in Data Structures, Algorithms, and Discrete Mathematics.
- Assisted TAs in computer labs for students' programming assignments.

PROJECTS AND AWARDS

2016 Overhear

Designed and implemented streaming audio platform at HackRice
Leveraged Go, Electron with Node.js, Python, and Websockets
Winner - HackRice/MLH prize for "Best Use of Amazon's AWS"

2016 Kinvest

Built platform to help Kiva micro-lenders generate more impact
Used machine learning and data analysis tools in Python
Winner - HackMIT BNP Paribas prize for "Most Insightful Hack"

2016 Telegram Bots

Developed two bots for Telegram, a messaging application.
Used Node.js, Telegram API, imgur API, and Spotify API.

2016 Dwight Look College of Engineering Dean's List

Awarded to students who receive ≥ 3.75 GPA.

2016 CSE Industrial Affiliate Program Scholarship

Received merit-based scholarship from affiliate of CSE department

2015 ilumi-therapy

Treats patients receiving light therapy using ilumi smart bulbs.
Winner - HackDFW ilumi Sponsor Prize

SOCIETIES

Student Engineers' Council - Systems Administration Society

Engineering Honors - Computer Science and Engineering Track