

# 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 2 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 2 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 **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 2 bots of 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  $\geq 3.75$  GPA.

2015 **ilumi-therapy**

Treats patients receiving light therapy using ilumi smart bulb.

Winner - HackDFW ilumi Sponsor Prize

2014 **Yell It Up!**

iPhone game developed at TAMUHack using voice control.

2014 **Texas A&M Distinguished Student Award**

Awarded for academic excellence in College of Engineering.

2013 **Android Game Development**

Developed Pong and Brickbreaker for Android 2.2.

## SOCIETIES

Student Engineers' Council - Systems Administration Society

Engineering Honors - Computer Science and Engineering Track