

Tyler J. Durden

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EDUCATION

TEXAS A&M UNIVERSITY
BS IN COMPUTER SCIENCE
Expected May 2018
Cum. GPA: 3.83 / 4.0
Major GPA: 4.0 / 4.0
Conc. in Mathematics
Dean's List

LINKS

GitHub: [tylerjdurden](#)
LinkedIn: [tylerjdurden](#)
Website: [tylerjdurden.com](#)

COURSEWORK

HONORS & GRADUATE

Operating Systems
Combinatorics
Computer Organization
Comm. and Cryptography 1 & 2

UNDERGRADUATE

Data Structures and Algorithms
Artificial Intelligence
Programming Languages
Linear Algebra
Programming Studio
Computer Systems

SKILLS

LANGUAGES + TECHNOLOGIES

Experienced:

- JavaScript / Node.js
- C & C++
- Python
- Java

Familiar:

- Haskell
- PHP
- Android
- Hadoop
- Bash
- HTML & CSS
- SQL

EXPERIENCE

LINKEDIN | SOFTWARE ENGINEERING INTERN

May 2017 - August 2017 | Sunnyvale, CA

- Developed progressive, service worker based system for caching API data
- Improved LinkedIn load times by 1.6 seconds, representing 50.4% faster page render time
- Created native-app-like experience on the web, including offline functionality

MICROSOFT | STUDENT PARTNER

January 2017 - May 2017 | College Station, TX

- Teaching monthly workshops on a variety of topics in technology
- Designing and building interactive lessons on modern web technologies, including Node.js, Websockets, GitHub Pages, etc.
- Collaborating with department faculty to market and advertise workshops

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
- Assisted "Anticipate, Detect, Respond" team in creating a call-routing model to better service members over the phone
- 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

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