

Avinash Damania

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EDUCATION

UT AUSTIN, CLASS OF 2021

B.S. IN COMPUTER SCIENCE

GPA: 3.73 (University Honors List)

ORGANIZATIONS

Officer/iOS Instructor: Mobile App Development

Officer/Webmaster: Longhorn Smash

Developer: MAD Labs

Autonomous Intelligent Robots Lab:
Freshman Research Initiative

Sponsored Streamer: Longhorn Gaming

Member: Q++ (LGBTQIA+ in CS org)

COURSEWORK

Software Engineering
Natural Language Processing
Neural Networks
Intro to Data Mining
Computational Semantics
Information Retrieval
Programming for Performance
Algorithms
Data Structures
Computer Networks
Computer Architecture
Operating Systems
Discrete Math
Linear Algebra

SKILLS

Experienced:

Python • Java • JavaScript • TypeScript •
React/Redux • Express • Node.js •
C • C++ • Git • Swift/Xcode • Firebase •
BigQuery • Lightning Web Components

Familiar:

Moq unit testing • Angular • Django •
MySQL • C# • GitLab (Issues/Continuous
Integration) • Tensorflow • nltk • PyTorch
• scikit-learn • d3.js • Linux • Unix • Flask
• Agile

EXPERIENCE

SALESFORCE | SOFTWARE ENGINEERING INTERN

June 2020 – August 2020 | San Francisco, CA (virtual)

- Worked on Health Cloud team to develop a native PDF generation feature for Lightning Web Components requested by 300+ developers, enabling secure transfer of personal client info. Built with JavaScript/Java Spring/Heroku.
- Created Slackbot to automatically parse test org credentials from Jenkins builds using Google Apps Script/Sheets API, saving developer time and effort.

WORDPRESS ENGINE | SOFTWARE ENGINEERING INTERN

June 2019 – August 2019 | Austin, TX

- Worked on Architects team to develop a sites analytics dashboard visualizing data about site traffic, errors, response times, disk usage, and bandwidth for customers. Built from scratch using React, Express, Typescript, and BigQuery.
- Demoed to CTO/CMO and others to obtain support for further development.

INTELLIGENT ENVIRONMENTS LAB | RESEARCH ASSISTANT

September 2018 – Present | Austin, TX

- Built iOS app to collect student feedback on classroom climates and accordingly adjusting temperatures with help from the UT Energy Department.
- Working with Swift/Firebase and Python for data analytics on the feedback.

BENTLEY SYSTEMS | SOFTWARE DEVELOPMENT INTERN

May 2018 – August 2018 | Austin, TX

- Worked on Analytical Insights team to develop a data analytics service pulling from MySQL for structural engineering teams to track projects over time.
- Restructured OData APIs and raised unit test code coverage from 72% to 90%.

PROJECTS

GDC ROBOT NAVIGATION | EXPRESS/C++

- A web interface for the Building-Wide Intelligence bots to provide live-scraped event info and automated navigation for GDC visitors.
- Implemented manual stopping and automatic return to the lab when idle.

SENSATIONALISM DETECTOR | PYTHON (TENSORFLOW/NLTK)

- Basic neural network that determines how sensationalized a text is.
- Used syntax, sentiment, punctuation, profanity, etc. in classification.

THE LAST WORD | REACT/PYTHON/FLASK

- A website to provide information on dying languages and how to help.
- Responsive React frontend + Flask backend pulling from multiple APIs.

OFFICIAL MAD APP/WEBSITE | SWIFT/DJANGO

- Student org info + signups/schedule for MADCon (200 attendees).

TRADUZCO | JAVA

- A Java transpiler that translates Spanish code keywords to English.

TESSERACT | SWIFT/CORE DATA/CORE ML (IN PROGRESS)

- A Rubik's cube timer iOS app for progress tracking and visualization.
- Uses machine learning to provide targeted algorithm/sequence training.