

BENJAMIN GABAY

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OBJECTIVE

To obtain an internship and acquire work experience in the field of computer science and software engineering.

EDUCATION

Texas A&M University, College Station, Texas

Bachelor of Science in Computer Science
Minor in Electrical Engineering
Minor in Mathematics

Expected Graduation Date: May 2021

Major GPA: 3.50
Cumulative GPA: 3.35
Dean's Honor Roll

Relevant Coursework: Design & Analysis of Algorithms, Machine Learning, Programming Languages, Principles of Computer Systems, Data Structures and Algorithms, Linear Algebra, Discrete Mathematics

Dell Technologies Business Immersion Program for Engineers Certificate

May 2019

- Two-week intense program hosted by Mays Business School.
- Exposed to facets of business including; accounting, marketing, supply chain, finance, sales, and management.

EMPLOYMENT EXPERIENCE

Nelson Forensics, Engineering Intern

June 2017 – January 2019

- Managed 20,000+ case files and evidence in company storage facility.
- Organized client evidence making it billable to bring in additional revenue to the company.
- Trained, coached, and developed a team of interns to prepare them for a future position.
- Analyzed evidence samples, accompanied engineers on site visits, collaborated on project reports.
- Worked with the IT department on new software and equipment training.

Autonomous Driving Research Group, Undergraduate Research Assistant

Summer 2019 – Present

- Worked with Artificial Intelligence Research Professor to train a small vehicle to operate freely through a variety of traffic conditions using neural networks through imitation learning and reinforced learning techniques.

PROJECTS

HackTX

Fall 2019

- Participated in hackathon competition in Austin, Texas against 100 other teams.
- Designed and programmed a front-end and back-end for a web app that rounds up a user's purchases to the nearest dollar and donates their change to the charity of their choice listed on our site.

Marble Sorter

Spring 2018

- Programmed using LabVIEW and built using NXT Robotics Kits.
- Machine was programmed to read a barcode and individually feed marbles into a hopper for sorting.

Texas Hold'Em Simulator

Spring 2017

- Programmed in Java to allow user to play Texas Hold'Em against three CPUs.
- Designed CPUs to use probability functions to determine their move based on their hand.
- Optimized the program to determine the best hand any user or CPU had to award the winner.

LEADERSHIP & INVOLVEMENT

Sigma Alpha Mu Fraternity, President, Treasurer, Standards Board, Philanthropy Chair

August 2017 - Present

- Organized and participated in community service, philanthropy, and brotherhood events.
- Managed day-to-day operations with other organization leaders and university officials.
- Managed annual chapter budget of \$400,000+.
- Acted as judiciary branch of organization to handle all issues and penalize members accordingly.

Rohr Chabad Jewish Center, Board Member

August 2018 - Present

- Planned and executed events to unite and involve the Texas A&M Jewish community.

TECHNICAL SKILLS

Programming Languages (In Order of Proficiency)

C++, Java, Python, MATLAB, LabVIEW, R, Gambit Scheme

Programming Skills

Object-Oriented Programming, Multi-Threaded Programming, Network Programming, Web Development

Other

Microsoft Office, LaTeX, Customer Service