

Brendan Ngo

bngo97@gmail.com | 713.384.4622
ngobrendan.com

EDUCATION

UNIVERSITY OF TEXAS, AUSTIN MS IN ELECTRICAL AND COMPUTER ENGINEERING

May 2020
Conc. in Software Engineering
GPA: 4.0/4.0

UNIVERSITY OF TEXAS, AUSTIN BS IN ELECTRICAL AND COMPUTER ENGINEERING HONORS

May 2019
Conc. in Data Science
GPA: 3.99 / 4.0

SKILLS

PROGRAMMING

Proficient:
Java • JS • C • Python • PHP
Experienced:
C++ • ARM Assembly • Matlab
IDEs:
IntelliJ • Eclipse • Vim • Jupyter
Notebook • VS • Sublime • Atom

COURSEWORK

UNDERGRADUATE

Algorithms and Data Structures
Operating Systems
Machine Learning
Concurrent and Distributed Systems
Probability and Stochastic Processes
Digital Signal Processing

GRADUATE

Multicore Computing
Databases
Blockchain
Program Analysis and Testing
Network Security

ACTIVITIES

ML AND DATA SCIENCE CLUB

Active Member, 2016 - 2020

HKN HONOR SOCIETY

Active Member, 2017 - 2020

Interests:

Sports, Hiking, Exploring

EXPERIENCE

FACEBOOK | SOFTWARE ENGINEER

August 2020 - Present | New York, NY

FACEBOOK | SOFTWARE ENGINEERING INTERN

Summer 2019 | Menlo Park, CA

- Designed classifier dashboard on the Instagram Well-Being AI Team
- Analyzed the scores, feature importance, and false positives/negatives for various ML classification models in PHP and Python
- Worked cross-functionally to understand and render how other teams were using the classifier scores to guide their decision making

AMAZON | SOFTWARE ENGINEERING INTERN

Summer 2018 | Seattle, WA

- Designed dashboard for profit data on the Supply Chain Optimization Team
- Developed full-stack, serverless webpage using React, Java and AWS Lambda
- Helped improve the automated buying system by providing insight to profit data for 450 million products in 4 regions across the world

APPLIED RESEARCH LABORATORIES | HONORS RESEARCH INTERN

Summer 2017 | Austin, TX

- Trained a neural network to detect and analyze gunshots in real-time
- Used Android Studio to develop application for running real-time detection
- Developed real-time audio processing tools for digital signal analysis in Java

UNIVERSITY OF TEXAS, AUSTIN | TEACHING ASSISTANT

Spring 2018, 2019, 2020 | Fall 2019 | Austin, TX

- EE 360C: Algorithms
- EE 422C: Software Design and Implementation

PROJECTS

IMOTO PEER-TO-PEER CAR SHARING | Start Up Senior Design

- Started the AirBnB for cars
- Explored in-depth market analysis of the car sharing/rental industry
- Created a mobile application in React and developed the back-end system using Python and PostgreSQL, hosted on Google Cloud

IMAGE-TO-IMAGE TRANSLATION | Data Science Lab

- Created a real-time image-to-image translation program using a Conditional GAN and the Pix2Pix architecture in Python
- Applied various preprocessing techniques such as image and edge detection, image augmentation, and style transfer
- <https://tinyurl.com/y955rm5a>

AWARDS

UNIVERSITY HONORS | FALL 2015 - PRESENT

ELECTRICAL ENGINEERING SCHOLAR | FALL 2016 - SPRING 2018

PRESIDENTIAL SCHOLAR | FALL 2018 - SPRING 2019