Brian Nguyen

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EDUCATION

UT DALLAS
BS in Computer Science
Expected May 2021
Cum. GPA: 4.0 / 4.0

LINKS

Github:// **briannoogin**
LinkedIn:// **brian-qh-nguyen**
Devpost:// **briannoogin**

COURSEWORK

Data Structures
Machine Learning
Linear Algebra
Computer Architecture
Statistics
C/C++ in Unix

SKILLS

PROGRAMMING
Over 2500 lines:
Java • C++ • Matlab
Over 1000 lines:
Python • JavaScript
Familiar:
Azure • Ionic • LaTeX

LEADERSHIP

ACM PROJECTS MENTOR
June 2018 - Present
Mentoring 5 people for a semester long project.
Project uses Alexa SDK, Azure backend, and TradeStation API to make stock transactions with Alexa.

AWARDS

Dean's List (All Semesters)
Best Use of ESRI API (2018)
Siemens Competition Semifinalist (2016)

EXPERIENCE

JACK HENRY AND ASSOCIATES | Software Engineering Intern
June 2018 – Present | Allen, TX

- Worked under the Episys Research and Development group. Created a proof of concept responsive mobile app for credit union member registration.
- Integrated credit reporting and driver license scanning APIs. Hosted a credit reporting service on Microsoft Azure, connecting the app to the service via TCP socket. Developed app with Ionic in HTML, SCSS, and TypeScript.

TECH EDVENTURES | STEM Instructor
Oct 2017 - May 2018 | Dallas,TX

- Taught an introduction to programming course in Python for elementary kids.
- Responsible for curriculum development.

BOLD IDEA | IdeaSpark Mentor
Jan 2017 – Dec 2017 | Dallas,TX

- Responsible for co-teaching junior high children computer science skills. Throughout the semester, the children work on a group project that they present at the end of the semester.
- Taught CSS, HTML and JavaScript.

PROJECTS

C-ASL | Computer Vision Project
Jan 2018 – May 2018 | https://github.com/Abhishaike/ASL_Translation

- Machine learning project that is able to translate 24 characters of the ASL alphabet in real time.
- Used mean-shift and color segmentation to isolate the hand and used a CNN to classify the hand. Trained CNN on a public hand dataset.
- Developed with Python, Keras, and OpenCV.

ARC-ANGEL | Hackathon Project
Jan 2018 – May 2018 | https://github.com/briannoogin/TAMUHACK

- Android app that displayed tweets searched by keywords from Twitter onto a heat map in a specified area over a time period.
- Designed for medical personnel during emergencies.
- Utilized Esri APIs and Twitter APIs. Developed with Matlab and Java. Developed at TAMUHACK and won Best of Esri API.

RESEARCH

THEORETICAL NEURAL NETWORKS DEVELOPMENT AND DESIGN LAB | Student Researcher
June 2016 – Aug 2017 | Richardson, TX

- Designed an ensemble of neural networks using non-parametric bootstrapping to classify breast tumor data from the University of Wisconsin. Evaluated model performance with ROC curves and out of sample testing.
- Developed with Matlab and received the Siemens Competition Semifinalist award which is awarded to the top 300 high school research projects in the nation.