Brian Nguyen

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GitHub
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Skills
Java
Matlab
C++
Python
CSS3 & HTML5
JavaScript

Interests
Machine Learning
Big Data
Data Science
Bioinformatics
Computer Vision
Artificial Intelligence
Agile Development
Software Engineering

Courses
Computer Science II
Discrete Mathematics I
Accelerated Calculus II
Data Structures
Probability and Stats
Linear Algebra
Mechanics

Awards
Dean's List
Siemens Semifinalist
BPA National Finalist

education

May 2020 — **B.S.** candidate in Computer Science — University of Texas at Dallas
GPA: 4.0

experience

10/17 - Present — **STEM Instructor** — Tech EdVentures
Teach programming and robotics courses tailored for young children. Currently teaching a programming course in Python. Responsible for curriculum development.

06/16 - Present — **Student Researcher** — University of Texas at Dallas
Theoretical Neural Networks Development and Design Lab directed by Dr. Richard Golden. Designed a neural network for breast cancer classification with Matlab.

01/17 - Present — **IdeaSpark Mentor** — Bold Idea
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.

08/16 - 06/17 — **Computer Science Club Officer** — Plano East Senior High School
Organized bi-weekly meetings during the school year and organized a Halloween event with programming games and candy rewards for children in the Plano East area.

projects

January 2018 — **ArcAngel** — https://devpost.com/software/arcangel
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.

07/16 - 02/17 — **Breast Cancer Diagnosis** — Research Project
Utilized an ensemble of neural networks and bootstrapping to classify breast tumor data from the University of Wisconsin. Developed with Matlab and received the Siemens Competition Semifinalist award.

August 2016 — **App 4 Tht** — https://devpost.com/software/app-4-tht
Website platform proof of concept for the crowdsourcing of ideas. Developed with HTML, CSS, and JavaScript. Project created at IncubateX and won Best of Solera.

April 2016 — **Ginger Rail** — https://devpost.com/software/ginger-rail
Used Arduinos and sensors to make a bottle rocket launcher. Joysticks controlled the direction of the rocket launcher. Project created at HackDFW.