

Brandon Nguyen

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EDUCATION

Texas A&M University, College Station, Texas

Aug 2019 - Present

Bachelor of Science - Computer Engineering

Anticipated Graduation: Dec 2023

Grade Point Average | 3.666 / 4.000

Relevant Coursework: Data Structures and Algorithms, Database Systems, Programming Studio, Intro to Computer Systems, Machine Learning, Robotics & Spatial Intelligence

Austin Community College, Austin, Texas

Aug 2019 - May 2021

Associate of Science - General Engineering

Grade Point Average | 3.714 / 4.000

EXPERIENCE

Samsung Austin Semiconductor

Jun 2019 - Aug 2021

Innovation Apprentice

- Deployed web application to have a direct communication with customers from all unit parts
 - Generated weekly metrics using Python libraries: matplotlib and pandas to illustrate costing savings
 - Used data from the DataLake to form the weekly metrics automatically
 - Repaired and validated over 100 electronic parts
 - Communicated with interdepartmental engineers and technicians to deliver electronic repairs just in time saving tool downs within 24 hours
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PROJECTS

Electronic Repair Backlog (Samsung Austin Semiconductor)

Summer 2021

- Created and maintained web application to track specialty projects and repairs using Django and MSSQL
- Worked with Innovation engineer to deploy web application onto Windows server
- Established web application to add passdowns with convenience on each work order tracking time spent in each working status
- Created web application to save over 20% of time on documentation
- Developed application to support tracking over 100s of specialty repairs

Rev's American Grill Web Application (Programming Studio)

Fall 2022

- Developed a two-in-one solution featuring kiosk and POS views that tracks orders created by employees and queued orders by customers using Express.js, React.js, and PostgreSQL
 - Led project development as the project manager and SCRUM master
 - Featured a manager dashboard where users are able to add, modify, and delete menu items, inventory items, and employees
 - Integrated Twilio API notifying customers when their order is placed and when the order is ready
 - Followed Agile methodology with biweekly SCRUM meetings documenting tasks completed by each meeting
 - Implemented CI/CD pipeline using DigitalOcean to deploy web application
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SKILLS AND CERTIFICATIONS

Technical Skills

- Python, Java, JavaScript, C++, Verilog, ARMv8
 - PostgreSQL, MongoDB
 - Django, Node.js, React.js
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EXTRACURRICULARS

Society of Asian Scientists and Engineers (SASE)

Aug 2021 - Present

Member

- Network with industry professionals and other STEM students
- Connect and build a community with APIDA students
- Give back to community through volunteer opportunities