

## Brandon Nguyen

linkedin.com/in/b-nguyen1 | github.com/brnguyen1 | brandonnguyen.tech  
brandonng2001@gmail.com | 512-201-3433 | Austin, TX

---

### EDUCATION

**Texas A&M University**, College Station, Texas  
Bachelor of Science - Computer Engineering  
GPA | 3.627 / 4.000

Aug 2019 - Dec 2023

**Relevant Coursework:** Database Systems, Programming Studio, Distributed Systems, Robotics & Spatial Intelligence

---

### EXPERIENCE

**Texas A&M University Transportation Services**  
Student Technician

Jun 2022 - Present

- Developed ticket generation process for servers and workstations that had not been patched in 14 days using *Python*
- Incorporated use of multiple APIs including: Freshservice Service Desk, Manage Engine Endpoint Central

**Samsung Austin Semiconductor**  
Innovation Apprentice

Jun 2019 - Aug 2021

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

### SKILLS

**Languages & Databases:** Python, Java, JavaScript, C++, PostgreSQL, MSSQL, MongoDB  
**Frameworks & Protocols:** Django, Node.js, React.js, Vue.js, gRPC

---

### PROJECTS

**Tiny SNS Application (Distributed Systems)**

Spring 2023

- Developed an application in C++ using the *gRPC* framework and *SQLite* as a local storage file, allowing users to post to a timeline which other users can follow
- Supported concurrent reading of posts from other users and writing of messages to timeline

**Spotitube (Personal)**

Winter 2022

- Developed web application that would copy playlists from Spotify to YouTube using *Express.js* and *React.js*
- Accessed Spotify API to get current user Spotify playlists and YouTube API to search for songs in the user's Spotify playlist to then create the user's playlist in YouTube

**Rev's American Grill Web Application (Programming Studio)**

Fall 2022

- Developed a two-in-one solution featuring kiosk and POS views using *Express.js*, *React.js*, and *PostgreSQL*
- Led project development as the project manager and SCRUM master using Agile methodology
- Integrated Twilio API notifying customers through SMS when their order is placed and when the order is ready
- Featured a dashboard where managers are able to add, modify, and delete recorded items supporting over 1000s of items by using pagination

**Electronic Repair Backlog (Samsung Austin Semiconductor)**

Summer 2021

- Created ticketing system in *Python* to track progress on specialty projects and repairs using *Django* and *MSSQL*
  - Collaborated with Innovation Engineer to deploy web application onto Windows server
  - Emphasized ease of use, saving over 20% of time spent on documentation and supported 100s of work orders
- 

### EXTRACURRICULARS

**Society of Asian Scientists and Engineers**  
**Institute of Electrical and Electronics Engineers**

Aug 2021 - Present  
Jan 2022 - Present