John D. Powell

Houston, TX

johnpowell@tamu.edu | (832)-334-6709 // Website: people.tamu.edu/~johnpowell | Github: johndpjr

EDUCATION

Texas A&M University- College Station, TX   Expected graduation December 2024
Bachelor of Science, Computer Science
- Engineering Honors Student; GPA: 4.0

EXPERIENCE

Northrop Grumman- Boulder, CO   June 2023–August 2023
Intern - Software Engineer (active Secret clearance)
- Built a Python tool that validates and correlates thousands of satellite messages of differing types
- Wrote over 9,000 words of exhaustive documentation on tool design, usage, and maintenance

H.E.B.- San Antonio, TX / Hybrid   May 2022–July 2022
Intern - Software Engineer
- Created a content board for HEB pharmacies with Angular, Spring Boot, and Docker/Kubernetes
- Deployed to nonprod with future production deployment to over 300 HEB stores across Texas

Texas A&M University- College Station, TX   August 2021–December 2021
Student Technician - IT
- Served the Mechanical Engineering IT office for administrative and technical support

Vetty- Virtual   May 2021–August 2021
Intern - Backend Developer
- Developed an API (in-production) that sends over 3,000 daily notifications (SMS, email, etc.)
- Worked with MongoDB, FastAPI, Courier API, and Git version control

NASA High School Aerospace Scholars (HAS)- Virtual   November 2019–August 2020
- Explored STEM possibilities under a selective NASA education program
- Collaborated with teams in a gamified experience to design a human-sustainable mission to Mars

LEADERSHIP EXPERIENCE

Engineering Honors Executive Committee   May 2023–Present
Chief Operating Officer
- Tracked engagement and reported Engineering Honors event feedback to Executive Committee
- Created an Angular web application for public and internal use

Aggie Coding Club   September 2022–Present
Project Manager
- Formulated an idea for AgTern, a service that finds students relevant internships from the web
- Led an Agile project of ~5 students to deliver a full-stack product to the cloud in eight weeks

Boy Scouts of America   July 2014–August 2019
Eagle Scout
- Attained Eagle Scout Rank and organized an Eagle Scout Project repairing a hiking trail bridge
Senior Patrol Leader
- Led over 30 scouts and planned campouts, community service, and Hurricane Harvey relief

SKILLS

- Computer Languages (in order of experience): Python, C/C++, Java, TypeScript, Rust
- Proficient in Git version control and Agile methodology

AWARDS / ACHIEVEMENTS

High School
- NHS; AP Scholar with Distinction; top 6% of graduating class; peer-voted Todd Maddox award

Michael G. Ogden Scholarship