

Tedd Jung

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EDUCATION

Carnegie Mellon University

Pittsburgh, PA

Bachelor of Science in Electrical and Computer Engineering

May 2026

- **Relevant Courses:** Electronic Devices and Analog Circuits, Web Application Development, UX Design, Computer Systems, Data Structures and Algorithms, Matrices and Linear Transformations, Computer Graphics, Signals and Systems, Statistical Computing

EXPERIENCE

Web Application Development Teaching Assistant

Fall 2024 – Present

Carnegie Mellon School of Computer Science

- Employed as a teaching assistant for Carnegie Mellon's Computer Science Department's Web Application Development course
- Taught software engineering concepts including MVC architecture, AJAX, jQuery, Javascript, React, HTML/CSS, SSL/Security Certificates, HTML Protocols, Django, REST APIs, Transactions, Cloud Deployment, etc

Electrical Integration and Test Engineer Intern

Summer 2024

Astrobotic Technology Inc.

- Built and tested PCBs and avionics systems, and developed test procedures and wrote scripts for the integrated avionics unit (IAU)
- Worked hands-on in electronic labs and clean rooms, while utilizing oscilloscopes, DC power supplies, multimeters, circuit design, technical writing, and data acquisition concepts
- Worked under the same electrical team who built the Peregrine Lunar Lander

Embedded Systems Engineer

February 2024 – Present

MoonRanger – NASA Project

- Joined a team of 60 engineers that have built and designed a functioning rover to explore ice at a lunar pole, and are expecting the rover to be flown on NASA's Artemis 3
- Worked on testing and integrating a NanoSSOC Digital Sun Sensor into the lunar rover so that the communications team can precisely determine the position of the sun relative to the rover

Firmware Engineer

February 2023 – Present

Carnegie Mellon Racing

- Assisted in designing and testing every electrical and firmware system in the electrical vehicle, through design verification and PCB testing
- Collaborated with five other divisions within our organization to engineer the most efficient prototype race vehicle to submit to the Formula SAE competition

PROJECTS

Multiplayer Texas Hold'em Poker Game | *HTML/CSS/JS, Django, Redis, AJAX, AWS EC2*

May 2024

- Created a 6 seated No Limit Hold'em Poker game connected with websockets and deployed using Amazon EC2 with Nginx web server
- **Github:** <https://github.com/tedd1218/chipcity.git>

Fantasy Football Bot | *Python, Tkinter, BeautifulSoup, pandas, sklearn, kmeans*

January 2023

- Fully programmed hundreds of python code while implementing various python libraries like beautifulsoup, pandas, kmeans, and sklearn to find the optimal rankings for each position group for each week
- **Github:** <https://github.com/tedd1218/FantasyFootballBot.git>

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS, SystemVerilog/Verilog, MATLAB, Go, SQL, R

Software/Frameworks: VSCode, STM32Cube, Siemens NX, Ultimaker Cura, Django, Ajax, React, Jenkins, Docker

Project Management Tools: Github, Jira, Confluence, Epsilon3, Linux, Ubuntu

Communication Protocols: SPI, UART, USB, I2C, CAN, TCP, HTTP/HTTPS, System I/O