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, Computer Systems, Data Structures and Algorithms, Matrices and Linear Transformations, Calculus in Three Dimensions

EXPERIENCE

Web Application Development – Carnegie Mellon   **Fall 2024 – Present**
Undergraduate Teaching Assistant
- 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

Astrobotic Technology Inc.   **Summer 2024**
Electrical I&T Engineer Intern
- Built and tested PCBs and avionics systems, and developed test procedures and scripts for these components
- 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

NASA L'Space Program – Mission Concept Academy   **Summer 2024**
Apprentice
- Received mission development skills training each week from NASA scientists and engineers and collaborated with other students to produce a preliminary design review (PDR)

MoonRanger – NASA Project   **February 2024 – Present**
Embedded Systems Engineer
- 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

Carnegie Mellon Racing   **February 2023 – Present**
Firmware Engineer in Energetics Division
- 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*   **June 2023**
- 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*   **December 2022**
- 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, x86-64 Assembly
Software/Frameworks: VSCode, STM32Cube, Siemens NX, Ultimaker Cura, Django, Ajax, React
Project Management Tools: Github, Jira, Confluence, Epsilon3, Linux, Ubuntu
Communication Protocols: SPI, UART, USB, I2C, USB, CAN, TCP, HTTP/HTTPS, System I/O