Jett A Street

jettstreet@gmail.com • 509-822-2370 • linkedin.com/in/jastreet • jastreet.github.io

EDUCATION

University of Washington **Seattle, WA**
Major: Electrical and Computer Engineering Grad. Jun 2024
Concentration: VLSI Design / Digital Systems Design
Annual Deans list: 2021 – 2023 GPA 3.37

EXPERIENCE

Li3Go **Las Vegas, NV (Remote)**
Engineer June 2022 - Present

- Implemented a patented multi-grid power management system using Python on a prototype class A motorhome retrofitted with solar panels.
- Designed hardware agnostic database schema to support multiple brands of solar inverters.
- Experience socket programming with UDP and Modbus over TCP.
- Attended Quartzsite RV trade show and presented informational seminar.

Husky Flying Club **Seattle, WA**
Vice President Sept 2020 - Present

- Successfully planned, pitched, and managed a $105,811 grant to build the first UW light-sport aircraft awarded by the Student Tech Fund Committee.
- Created the first FPV-drone racing team on campus. Awarded $9,000 towards managing a HFC drone fleet.
- Partnered with local flight schools to offer club members discounted flying lessons and free ground school.

Spokane Public Schools **Spokane, WA**
Student CTE Tech Support June - Sept, 2018 - 2021

- Upgraded hardware and software, organized and restructured computer labs.
- Provided technical support to teachers and administrators in the summer months.
- Installed and configured Aruba networking hardware in newly constructed schools.
- Assisted in preparing 60,000 student laptops for the rapid adoption of online learning due to COVID-19.

TECHNICAL QUALIFICATIONS

Languages: C, Java, Python, HTML, CSS, JavaScript, Lisp, Bash, MATLAB, R, SQL, SystemVerilog, ARM.
Software: LTSpice, MultiSIM, ModelSim, Intel Quartus, KiCad, Colab/Jupyter, VMWare/QEMU, MS Office.
Systems/Libraries: GNU/Linux, FreeBSD, Cisco IOS, SciPy, NumPy, Pandas, Pylance, SQLAlchemy.
Skills: Soldering, oscilloscopes, function generators, project management, communication, organization.

PROJECTS

Circuit Design and Analysis

- Proficient in DC, AC, and nonlinear circuit design and analysis.
- Designed and built an adjustable output AC to DC power supply with less than 100 mV of ripple voltage.

Signals Processing

- Implemented programs in Python to synthesize, plot, play, analyze and filter time functions.
- Proficient with convolution of signals, Fourier series and transforms, and linear time-invariant filters.

Computer Architecture

- Implemented a 32-bit pipelined 5-cycle ARM CPU using SystemVerilog.
- Wrote an IEEE-754 floating point addition algorithm in ARMv7 assembly.
- Gained proficiency in digital logic using an Intel DE1-SoC FPGA.

Custom FPV Drones

- Researched, designed, and built 7-inch racing drones for Husky Flying Club.
- Used BetaFlight to tune flight controllers, speed controllers, and radio/video transmitters.

Vintage Computers

- Constructed multiple replicas of 8-bit minicomputers from the 1970s.
- Collects and restores 2000s PDAs, vintage Apple computers, and IBM-era ThinkPads.