Christopher Drew Jepsen

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Education

University of Vermont Burlington, VT
Master's of Science, Computer Science *Jan 2024 — May 2025*
- Cumulative GPA: 3.9/4.0
- Relevant Coursework: Advanced Evolutionary Robotics, Advanced Machine Learning, Evolutionary Computation

University of Vermont Burlington, VT
Bachelor's of Science, Computer Science *Aug 2020 — May 2024*
- Cumulative GPA: 3.8/4.0 | Dean's List
- Relevant Coursework: Algorithm Design & Analysis, Computer Networks, Programming Languages

Work Experience

Contract Software Engineer May 2025 — Aug 2025
Campus Storage Solutions *Burlington, VT*
- Contributed to the development of a full-stack web platform using Astro, Tailwind Typescript, a Go-based API, and SQLite.
- Implemented user-facing features in the customer portal, including account management, order placement, and real-time status updates.
- Built and maintained backend API endpoints in Go for order processing and database interactions.
- Collaborated in a slice-based team workflow, independently owning and delivering complete feature sets from frontend to backend.

Graduate Teaching Assistant Dec 2024 — May 2025
The University of Vermont *Burlington, VT*
- Assisted in teaching **Computer Architecture** and **Algorithm Design & Analysis** by holding weekly office hours, providing one-on-one academic support, and clarifying course concepts.
- Graded assignments and exams for over 100 students, ensuring consistent and timely feedback aligned with the instructors' rubrics.

Production Support Specialist Intern Jun 2023 — Sep 2023
PTC *Boston, MA*
- Successfully modernized and updated more than 300 web pages, enhancing user experience and ensuring alignment with current industry standards.
- Developed web scrapers and implemented web component test cases, significantly reducing the identification and resolution time for errors on live pages.

Projects & Publications

Embedded IoT System for Acoustic Precipitation Phase Partitioning May 2024 — May 2025
- Constructed a data collection deployment using a custom Arduino paired with a Raspberry Pi 4. Various forms of data are collected on the Arduino, passed to the Pi, which sends the data package to a REST API on a remote server.
- Lead the prototyping of the hardware enclosure and data collection and categorization processes.
- Link to publication: *Currently in Review Process*

SUBREDDIT Communities' Dynamic and Conflict Propagation Jan 2024 — Jun 2024
- Investigated interaction on Reddit using various web scraping techniques
- Constructed and analyzed a dataset consisting of years' worth of archived posts using Python libraries
- Link to publication: https://ieeexplore.ieee.org/document/10847271

Skills

- **Programming Languages**: Python, C/C++, Typescript, HTML/CSS, Java, Bash, R, Go
- **Technologies & Frameworks**: React, Astro, Tailwind CSS, Git, UNIX, Docker, Google Cloud Platform, Flask, Pytorch, TensorFlow