

Joseph Zieg

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EDUCATION

University of Vermont (UVM) - Burlington, VT

Graduated May 2019

Bachelor of Science in Computer Science, Minor in Physics - GPA 3.2

WORK EXPERIENCE

The Outdoor Gear Exchange - Burlington, VT

May 2019 - Aug 2020

Gear Expert, Retail Salesperson

- Provided outfitting advice and sales services for mountain-biking, rock and ice climbing, and backcountry skiing.

UVM - Burlington, VT

Jan 2019 - May 2019

Research Assistant, Laboratory Teaching Assistant

- Participated in bioinformatics research with a professor, helping to expand a custom multiple sequence alignment RNA folding software.
- Worked as a laboratory TA to help students diagnose and troubleshoot various hardware and software issues on Raspberry Pi including networking, databases and web dev.

UVM Tech Team - Burlington, VT

November 2016 - May 2019

Student Tech

- Worked as a customer-facing support technician for the university enterprise IT service.
- Diagnosed hardware and resolved software issues for Windows, Macintosh and Linux platforms, including data recovery and general application support.

Jacobs Technology - Kennedy Space Center, FL

May 2018 - August 2018

IT Technician I (Internship)

- Wrote a data organizing command-line script to assist team members in resolving issues in build pipeline.
- Created an automated regression test framework incorporated into a NASA software product, requiring telemetry decoding, networked processes and data transmission over TCP.
- Worked in an Agile-style development team to test and fix non-conformances present in the software product.

SKILLS

- Proficient Languages: Python, C/C++, Java/C#
- Basic Knowledge: HTML, CSS, XML, SQL
- Comfortable OS's: Linux, OS X, Windows
- Misc: git, shell scripting, data visualization, databases, dynamic programming, integration/regression testing, automation, OOP, basic electrical/mechanical skills

AREAS OF INTEREST

- Bioinformatics, Machine Learning, Computer Architecture, Algorithm Design, Software Engineering, Computational Physics, Aerospace, Robotics

<https://jfzieg.github.io/>