

J. Connor Sample

Computer Science student strongly skilled in Rust and Python, with experience in many other languages such as JavaScript, C, and Java. Seeking roles in OS/systems programming, networking, or backend development, backed by 12+ years of experience from personal projects.

 Harrisonburg, Virginia  <https://tabulate.tech>
 [connor-sample-4905a922a](#)  [TabulateJarl8](#)  [TabulateJarl8](#)

Education

James Madison University
Computer Science
UG GPA: 3.912 | Major GPA: 4.0
Bachelor's of Computer Science
August 2023 - May 2027

Experience

James Madison University
IT Assistant
Harrisonburg, Virginia
January 2024 - Current

- Implement network-based computer management and imaging for over 350 desktops across campus.
- Prepare new and existing computer setups. Install hardware and software as needed.
- Create comprehensive documentation for new automation and imaging techniques, server maintenance, and other critical services.
- Architect the workflow of, set up, and deploy a Flask/React application with Docker on a remote server.
- Debug complex networking issues.

FCPS IT Department
Software Developer (Internship)
Palmyra, Virginia
August 2022 - March 2023

- Rewrote the bus pass system used by other schools in the school system.
- Qt GUI development, SQL database interaction, created a maintainable and well-documented codebase.


Skills


| | |
|--|---------------------------------------|
| Python 8+ years of experience | Rust 5+ years of experience |
| JavaScript 9+ years of experience | Java 7+ years of experience |
| HTML/CSS/Sass 9+ years of experience | Git 8+ years of experience |
| Bash | C |
| Linux System Administration | Docker |
| Backend Web Development | Systems Programming |
| Networking | Desktop Development |
| Flask | Bootstrap |
| jQuery | SQL |
| React | CI/CD |
| Project Management | Collaboration |
| Unit Testing | Computer Imaging |
| Scrum | Assembly |


Awards


| | |
|---|---|
| Dean's List James Madison University Jan. '24 Students who earn dean's list honors must carry at least 12 graded credit hours and earn a GPA of between 3.5 and 3.899. | President's List James Madison University May '24, Jan. '25, May '25 Students who earn president's list honors must carry at least 12 graded credit hours and earn a GPA of 3.900 or above |
|---|---|


Projects


Squid Calculator
March 2023 - Present
Advanced calculator written in Rust, featuring a terminal user interface supporting both RPN and algebraic input.
 <https://gitlab.com/ImaginaryInfinity/squid-calculator/squid>

randfacts
March 2020 - Present
Python module used to generate random facts with over 1.3 million downloads
 <https://github.com/TabulateJarl8/randfacts>

Vapor
December 2023 - Present
TUI program to check the ProtonDB compatibility of all the games of a Steam user
 <https://github.com/TabulateJarl8/vapor>

JMU OpenConnect
February 2024 - December 2024
Python wrapper command around OpenConnect which implements JMU VPN authentication on Linux.
 <https://github.com/TabulateJarl8/jmu-openconnect>


AnuBIS
September 2022 - March 2023
Generates and prints bus passes using a DYMO LabelWriter. Created for use in the Fluvanna County Public School system
 <https://gitlab.com/TabulateJarl8/anubis>

Rosa
July 2022 - Present
Hobbyist operating system written in Rust with a friend
 <https://gitlab.com/TabulateJarl8/rosa>

Leadership Experience

JMU Unix Users Club
Vice President
January 2024 - Present

- Managed administrative tasks across the club
- Gave numerous presentations about Unix and programming-related topics to a group of people of ranging skill set
- Assist in meeting planning, club outreach, and other events

 <https://www.jmunixusers.org/>