Bryan **Burton**

SOFTWARE DEVELOPER · IT SPECIALIST · BIOLOGIST

✉ bburt007@odu.edu | ⌂ brrburt.github.io | ⓞ brrburt

Skills

Software	PyTorch, NumPy, Matplotlib, MongoDB, SQLite, PostgreSQL, Amazon Web Services, Google Cloud Platform, Docker, CircleCI, Excel, Photoshop
Languages	English (Native), German (Intermediate), Japanese (Beginner)
Programming	C, Golang, Python, Ruby, PHP, SQL, Bash

Certificates

2021	**Google IT Support Professional**,	Google
2022	**AWS Certified Cloud Practitioner**,	Amazon Web Services (AWS)
2023	**CompTIA Server+**,	CompTIA
2023	**Linux Foundation Certified System Administrator**,	The Linux Foundation
2024	**Cisco Certified Network Associate**,	Cisco

Education

Old Dominion University   *Norfolk, Virginia*
B.S. IN COMPUTER SCIENCE   *Aug. 2019 - Aug. 2023*

Old Dominion University   *Norfolk, Virginia*
M.S. IN DATA SCIENCE   *Aug. 2024 - Aug. 2025*

University of Alaska Fairbanks   *Fairbanks, Alaska*
B.S. IN BIOLOGICAL SCIENCES   *Jan. 2024 - May. 2026*

Experience

Linux System Administrator   *Dec. 2020 - Present*
- Maintained resilient Linux servers using Debian, Arch Linux, Alpine, Raspbian, Rocky Linux, and OpenSUSE.
- Operated high-availability ticketing and communication software to reliably serve thousands of users.
- Hardened servers using firewalls, access control lists, and full disk encryption to protect sensitive user data.
- Optimized provisioned server infrastructure using serverless software, reducing operating costs by 50%.

Webmaster   *Oct. 2021 - Present*
- Deployed websites using nginx and Hugo, providing efficient hosting with minimal system resources.
- Ensured user security by encrypting data storage and web traffic using Let's Encrypt.
- Expanded the user base of websites by making them accessible by the Gemini web protocol, I2P, and IPFS.

Projects

Pest Patrol
- A pest reporting and monitoring app used to coordinate community-based solutions to pest activity.
- Utilizes PostgreSQL, Node.js, and AngularJS to provide a resilient and responsive web application.
- Contributed to the project as the database engineer, and implemented features in the middleware and frontend.
- Designed the database schema and normalized it to provide efficient data storage and reduce data duplication.