

Joshua Baker

josh-baker.com | [linkedin.com/in/joshbakervt](https://www.linkedin.com/in/joshbakervt) | github.com/joshbakervt |
joshbakervt@gmail.com | (802) 923-6806

EDUCATION

University of Vermont

BS in Computer Science

- UVM CE Graduate Certificate in Computing: Cyber Security
- Organizations: Computer Science Crew, Phi Mu Delta, Men's Rugby

Burlington, VT

Graduation Date: December 2022

April 2022

WORK EXPERIENCE

Northern Digital Inc.

Software Engineer Intern

Shelburne, VT

May 2022 - August 2022

- Designed and developed data management and analysis software using Python/NoSQL for verifying accuracy of over 5,000 tests conducted by American and German manufacturing teams
- Demonstrated analytical thinking and problem-solving capabilities by debugging remote server software, implementing batch processing and optimizing optical tracker configurations to shorten calibration process from 3 days to under 4 hours
- Used Jira in hand with agile development methods to track progress and manage steady workflow with Software Engineering team

University of Vermont Information Security Office

Identity Management Support Specialist

Burlington, VT

November 2021 - May 2022

- Developed intrusion detection tools using Perl, AJAX and JavaScript to suppress account threats and strengthen system security
- Conducted analysis of digital security framework and consolidated breaches to security of system with 50,000+ users
- Facilitated technical support and identity and access management to UVM community members

Projects

What's The Data?

HTML, JavaScript, Python, AWS Tools

July 2022 - Present

- Freelance website - resource for neuroscience students to search for PubMed articles based on region, ranking and 10+ other factors
- Built in HTML/CSS with Lambda function for processing and pushing CSV data to DynamoDB
- HTTP API gateway for outputting data in HTML

The Cloud Resume Challenge

HTML/CSS JavaScript, Python, AWS Tools

August 2022-Present

- Personal resume website built with HTML/CSS, hosted on S3 static site
- Custom DNS and HTTPS using CloudFront
- Site visitor metrics hosted on DynamoDB and fetched using Lambda function/API gateway
- Serverless application model for defining API resources - deployed via AWS SAM CLI
- Frontend CI/CD testing for bucket updates and backend CI/CD testing for Lambda function

SKILLS

Python, Java, Linux, JavaScript, AWS (S3, Lambda, CloudFront, EC2, DynamoDB, SAM), SQL (MySQL, NoSQL), C++, C, Perl, Golang, REST, Terraform, Docker, Jira, Git, CI/CD (CircleCI)