# Joshua Baker

josh-baker.com | linkedin.com/in/joshbakervt | github.com/joshbakervt |
joshbakervt@gmail.com

## EDUCATION

**University of Vermont**                                                            **Burlington, VT**
*BS in Computer Science*                                      *Graduation Date: December 2022*

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

## WORK EXPERIENCE

**What's The Data?**
*Lead Developer*                                                   *July 2022 - September 2022*

- Freelance full-stack web resource for neuroscience students to view 2000+ PubMed studies
- Web implementation of app with # downloads
- AWS back end for processing, storage and retrieval of constantly expanding data sets using Lambda, API Gateway, DynamoDB and S3
- HTML/Bootstrap CSS/JavaScript front end with API integration for efficient display of data

**University of Vermont Information Security Office**                    **Burlington, VT**
*Security Operations Specialist*                                 *November 2021 - Present*

- Develop full-stack web applications for managing university's SQL databases of network activity watchlists
- Optimize and debug legacy code for traffic analysis programs in Python, Perl, JavaScript
- Design and produce automated SQL scripting for detecting malicious network activity
- 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

**Northern Digital Inc.**                                                              **Shelburne, VT**
*Software Engineer Intern*                                          *May 2022  - August 2022*

- Designed and developed data processing and analysis software using Python/SQL for verifying accuracy of 5,000+ tests conducted by American and German manufacturing teams
- Optimized calibration procedure timeline from 3 days to under 4 hours by implementing batch processing and optimizing remote server code
- Used Jira in hand with agile development methods to track progress and manage steady workflow with Software Engineering team

## 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 (Jenkins)