Chris Borowski

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Technical Skills

Programming Languages and Frameworks: Java, Python, SQL, HTML, CSS, Spring Boot, Django, Bootstrap
Developer Tools: Git, GitHub, IntelliJ IDEA, Microsoft Visual Studio Code, Jupyter, Postman, Command line (CLI)
Operating Systems: Linux, MacOS, Windows

Education

B.S. in Computer Science, Western Governors University | Salt Lake City, UT   Expected May 2026

Relevant Software Engineering and Computer Programming Coursework:
Data Structures and Algorithms, Java Fundamentals and Frameworks, Python Scripting and Programming,
Back-End Programming, Software Engineering, Database Management, Web Development, Version Control

Experience

Web Developer | *NAATPI* | remotely   Feb 2024–Present
- Spearheaded digital transformation by identifying cost-saving opportunities and successfully pitching a user-friendly CMS platform to board, launching website migration that reduced annual operating costs by 87%.

Projects

Wallet One | *Java fintech virtual credit card management app with scalable algorithms*   [Blog post](#) | [GitHub](#)
- Developed a credit card management system in Java using Object-Oriented Programming (OOP) principles, in-memory data storage, and interactive command-line UI, achieving average card search time of 0.288 ms.
- Optimized the original card search algorithm using HashMaps, achieving $O(1)$ time complexity, reducing the code length by 55%, enhancing performance by 10x, and cutting average search time by 90% to 0.0284 ms.
- Engineered a scalable, industry-grade card generation algorithm with $O(1)$ time complexity and enhanced security, supporting the issuance of 44 million unique card numbers with 99% number collision resistance.

Witter | *Twitter-like social platform in Django with RESTful API and optimized performance*   [Blog post](#) | [GitHub](#)
- Architected a high-performance full-stack Django web app implementing MVC design, leveraging Python for server-side operations, SQLite data storage, and RESTful API architecture for front-end/back-end integration.
- Engineered a 5-model data architecture integrated with 3+ user states authentication within a RESTful API framework, enabling efficient CRUD operations across user profiles, achieving 14 ms API latency in Postman.
- Implemented responsive UI by combining Bootstrap and jQuery code with asynchronous JavaScript loading, resulting in 0.44s DOM Content Loaded time, 0.8 s LCP score, and 99/100 Lighthouse performance score.

Tech Talks and Presentations

"When Python Speaks Grammar" | *UW Data Science Institute* | Madison, WI   Feb 2024
- Presented non-ML NLP tool for lesser-known language with 95% coverage to 50 data science professionals.

Volunteer Experience

Open-Source Contributor | *Mozilla Common Voice*   May 2019
- Conducted analysis of open-source database voice recordings to ensure 99% data accuracy and consistency.

Licenses and Certifications

- Google IT Support Professional Certificate   Sep 2023