

Daniel Brestoiu

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Skills

- Coding Stack: Python, Racket, Java, C, C++, JavaScript, CSS, SCSS, HTML, Swift, Tkinter, R, SQL
- Technologies: Git, React, AWS, S3, CloudWatch, Cognito, Lambda, Amplify, GraphQL, DynamoDB
- Dev Tools: Visual Studio Code, Eclipse, Command Line Interfaces, XCode, Vim, Linux, SSH, Bash

Experience

- **Full Stack Engineer – MarketBox** **2021**
 - Created, implemented, and released a new React app for client onboarding that integrated with existing systems; this improved the client onboarding experience and eliminated a critical bottleneck for sales
 - Optimized performance for company order searches through the use of indexed database queries; this significantly reduced load times for filtered searches – from about 8 seconds to nearly instantaneously
 - Took ownership over automated notifications, fixed existing bugs, and created detailed documentation; this led to increased consistency, decreased development time on iteration and improved performance
 - Improved user experience on appointment creation flow and utilized React Hooks to maintain state across pages; this led to fewer client support complaints, increased user satisfaction, and fewer errors
- **Assistant Math Teacher, Lifeguard and Swimming Instructor, Python Teacher** **2016 – 2021**
 - 3 years – Assistant Math Teacher at Spirit of Math – taught math to students, clarified misconceptions
 - 4 months – Lifeguard and Swimming Instructor at Life Time – ensured client safety, taught swimming
 - Current – Python Teacher at Logimix – developing proprietary material and teaching students Python

Projects

- **[Personal Website](#)** **JavaScript, SCSS, HTML – 2020**
 - Built personal website from scratch – learned technologies such as Apache and Ubuntu remote server
 - Refined intrinsic ability to independently resolve issues by using documentation and online resources
- **[YouTube Video Downloader](#)** **Python, Tkinter – 2020**
 - Developed an intuitive GUI for users to download YouTube videos and playlists by using an API key
 - Learned fundamental concepts of API integration, UI/UX, design, VCS, and effective code refactoring
- **[Employee Management Database System](#)** **Java – 2019**
 - Constructed a functional employee management system to store, display, and modify core information
 - Employed an OOP-based approach and design patterns to deepen personal understanding of concepts
- **[Calorie Tracker iOS](#)** **Swift – 2021**
 - Independently created a prototype iOS calorie tracker app for HackTheNorth 2020++ in under 24 hours
 - Practiced and improved capacity to learn new technologies using available resources, tools, and guides

Education

- **Honours Bachelor of Computing and Financial Management – University of Waterloo** **2025**
 - President's Scholarship of Distinction and Computing and Financial Management Scholarship
 - 98% university application average and 88% cumulative average at the University of Waterloo

Achievements

- Quantum Valley Investments – Problem Pitch Competition Finalist **2020**
- First Internationally in DECA Business Competition – Accounting **2019**
- Won 2nd at FraserHacks Hackathon for AI-based iOS app **2019**
- Perfect score on SAT (1600) **2019**