Peter W. Dudziak

Seattle, WA ⋄ dudziakpe@gmail.com

[Peter W. Dudziak’s LinkedIn Profile](https://www.linkedin.com/in/peter-w-dudziak/) ⋄ [www.peterwdudziak.com](http://www.peterwdudziak.com)

**Objective Statement**

Motivated and innovative Software Developer with experience in Advanced Database Management, SQL, C, C#, Python, TypeScript, and Java. Experienced in back-end development, testing software, and interpreting source codes to diagnose errors. Seeking Position in Software Engineering or Data Analytics.

**Education**

**Master of Science** - **Big Data Analytics**, San Diego State University *Aug 2024 – Dec 2025*

**Bachelor of Science** - **Computer Science, Mathematics Minor**, Central Washington Univ. *Sept 2020 – Aug 2023*

**Skills**

**Back-End Development, Creating APIs,** Software Testing and Debugging, **JavaScript, TypeScript, SQL** Python, Java, C, C#, R, **Cloud Computing**, Cascading Style Sheets (CSS), HTML, **DevOps**, **React,** Scrum, Git, **Advanced Relational Databases**, **Node.js**, Hadoop, Tableau.

**Work Experience**

**Software Developer / Data Analyst – San Diego State University,** Remote *Aug 2024 – Present*

**Developed a Comprehensive Database** in **SQL** to Manage Parking Garage Operations and Customer Information. Created **Business Rules**, Use Cases, and **Entity Relationship Diagram**. Key features included:

* Implemented Customer Tracking: Monitored customer entries, parking spot usage, duration of stay, and payment calculations.
* Vehicle Information: Stored details such as license plate numbers and car models.
* Reservations: Enabled customers to reserve parking spots in advance.
* Operational Hours: Managed garage opening and closing times to control access.
* Usage Analytics: Analyzed garage usage frequency and profitability, incorporating customer data for user analytics.

**Software Developer – PokeRogue,** Remote *Apr 2024 – Dec 2024*

* Planned, developed, and continuously updated a popular online browser game using **JavaScript** and **TypeScript**.
* Implemented major updates and fixed numerous bugs, improving game stability and user experience.
* Tested software, interpreted error logs and source codes to diagnose errors.
* Trained new volunteers and programmers, facilitating their onboarding process.
* Coordinated progress and updates through GitHub and Discord.

**Java and SQL Backend Developer – Revature,** Federal Way, WA *Jan. 2024 – Apr 2024*

* Created social media **APIs** and tested code using Java, **SQL, GitHub, and React**.
* Improved API response times through code optimization.
* Customized and **tested software**, interpreted error logs and source codes to diagnose errors.

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**Software Engineer Using C# – Central Washington University,** Ellensburg, WA *Mar 2023 – Jun 2023*

* Re-wrote a C# program used by the Computer Science Department to assign teaching assistants to professors. Evaluated and debugged issues with previous code, refactoring it to add new functionality.
* Spearheaded code documentation and **conducted usability testing**, leading to an increase in system efficiency.

**Computer Science Teaching Assistant – Central Washington University,** Ellensburg, WA *Sept 2022 – Jun 2023*

* Assisted professors by teaching undergraduate students and grading assignments.
* Provided guidance in Software Engineering and Data Structures courses, leading to an improvement in student grades.

**Software Engineer – Intern – Central Washington University,** Ellensburg WA *Sept 2022 – Dec 2022*

* Created a Blackjack Game in Java for Mobile Devices using Android Studio.
* Conducted a test with 30 players and revised the program based on their feedback.

**Research** *Aug 2024 – Dec 2024*

**Evaluated Public Health Risks Using Big Data**
Collaborated with a team of data analysts to evaluate E. coli data from Southern California beaches, providing insights into public health risks. Utilized big data tools to research and present findings on environmental patterns, contributing to the understanding of local ecosystems. Created YouTube video to communicate complex information with clear and compelling visual media. <https://sites.google.com/sdsu.edu/beach-vs-bacteria/>