WALKER HILDEBRAND

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• wbhildeb in wbhildeb

TECHNICAL STRENGTHS

 $\textbf{Languages} \qquad \quad \texttt{C\#} \cdot \texttt{Java} \cdot \texttt{VB.NET} \cdot \texttt{SQL} \cdot \texttt{C} \cdot \texttt{C++} \cdot \texttt{Python} \cdot \texttt{Bash} \cdot \texttt{HTML/CSS}$

Tools .NET Framework · Visual Studio · UNIX · GitHub · Netbeans · Atlassian Tools

WORK EXPERIENCE

Payworks | Software Developer

May 2018 - Present

- Deployed the automated testing framework, developing it from its preliminary phase.
- Reinvented the method of interacting with grids on the site, drastically simplifying the process of mapping new tables.
- Optimized element construction within the framework, reducing duplicated code by 92%.
- Built the system for automatically navigating through the site.

Sweet Tops Ice Cream | Freelance Developer

May 2017 - Aug 2017

- Developed a Java desktop application for a business of 30+ employees that allows easy schedule management and remote schedule viewing for employees through automatic upload to Google Drive.
- Created a graphical user interface using Swing, implementing an intuitive and professional design.
- Integrated a relational database to store employee and shift data using SQLite3 and JDBC.

SIDE PROJECTS

• Propositional Logic Calculator (C#, .NET Framework)

Sep 2018

- Built a program that parses string input into a well-formed propositional formula.
- Created functionality that allows the user to automatically generate graphical valuation tables.

Multiple Choice Quizzer (Java, Python)

Mar 2017

- Wrote a program that parses text files containing multiple choice questions into a single XML file.
- Developed an application that lets a user quiz themselves through an intuitive GUI.
- Implemented features that allow users to save questions as well as add their own.

• Poker Statistics Calculator (Java, Swing GUI)

Dec 2016

- Created a desktop application that calculates the odds of winning a hand in Texas Hold'em Poker.
- Designed the core algorithms and refined them thoroughly for efficiency and accuracy.

AWARDS

Third place in University of Manitoba Math Contest	2017
Top 15% in Euclid Mathematics Contest	2017
Certificate of Distinction in Fermat Mathematics Contest	2016
Winnipeg School Division Book Awards for Academic Achievement (x3)	2014 - 2016

EDUCATION

University of Waterloo Bachelor of Computer Science Expected Jun 2022
President's Scholarship of Distinction