

# BRIAN BUI

Portfolio Website ◇ [bui-brian.github.io](https://bui-brian.github.io)  
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## SKILLS

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<b>Proficient</b>	Python, Java, C, SQL (MySQL, WebFOCUS, PSQuery), Unix, Git
<b>Familiarity</b>	C#.NET, JavaScript, HTML5, CSS3, L <sup>A</sup> T <sub>E</sub> X, Agile/Scrum

## EDUCATION

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**University of Nebraska–Lincoln** *Aug 2019 - May 2023*  
Bachelors of Science in Computer Science, Mathematics Minor  
Relevant Coursework: Data Structures & Algorithms, Software Engineering, Discrete Math, Unix  
Current: Operating Systems, Programming Language Concepts, Automata, Comp, and Lang

## EXPERIENCE

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**UNL ASEM Office of the University Registrar** *Sep 2020 - Present*  
*Reporting & Data Analysis Assistant* *Lincoln, NE*

- Facilitated data analysis and presentation using SQL-style tables along with Microsoft Excel
- Wrote hundreds of queries using WebFOCUS to fulfill requests of other university departments
- Accommodated the development of self-service reports and online dashboards using PeopleSoft

## TECHNICAL PROJECTS

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**Solitaire & Blackjack Web App** *Nov 2021 - Dec 2021*

- Collaborated with other like-minded students to create a web app consisting of single-player solitaire and multiplayer blackjack which can be played with up to 5 other players
- Applied **Agile Scrum** software engineering principles as well as performed unit and integration testing
- Implemented eminently sought-after technologies such **Node**, **React**, **Express**, **Jest.js**, and **Socket.io**

**Productivity Chrome Extension** *Nov 2021 - Present*

- Developed a Google Chrome Extension productivity timer app for students that proactively rewards users for being studious and productive
- Conceptualized unique custom sprites solely for the personalized egg hatching timer
- Cooperated with a partner for the project design as well as throughout the entire development process

**ML Model - Prediction of Student Final Grades** *Apr 2021 - May 2021*

- Trained a Machine Learning model given a dataset of multiple variables
- Predicted the final grades of multiple students using the Linear Regression algorithm
- Utilized Python's Machine Learning packages **NumPy**, **pandas**, **scikit-learn**, and **matplotlib**

**Discord Bot - Slang Dictionary** *Aug 2020 - Sep 2020*

- Built a chat bot in JavaScript using the Discord API to give users quick access to dictionary commands
- Retrieved data from the Urban Dictionary website to reference specific definitions and examples
- Hosted and deployed the bot in multiple Discord servers that make use of the helpful commands