

William (Liam) Stamper

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Education

The University of Iowa, Iowa City, IA

August 2021 – Anticipated December 2024

Bachelor's Degree in Computer Science, Minor in Mathematics

- **Course Work:** Data Structures, Discrete Structures, Algorithms, Calculus I-III, Matrix/Linear Algebra, Computer Science I-II, Software Development, Numerical Analysis (in-progress)
- **Extracurriculars:** Active member of the Association for Computing Machinery (ACM), UlowaHackathon 2023 Award Winner, Spanish Club member

Experience

Full Stack Developer Group Intern

May 2022 – July 2022

Quality Manufacturing, West Des Moines, IA

- Engineered and deployed 5 dynamic form applications leveraging JavaScript, HTML/CSS, Ajax, MySQL, JSON and PHP
- Completed an intensive training program on web development framework and best practices
- Collaborated within a 5 person team to fulfill the technical requirements of over 10 client companies, enhancing customer satisfaction and operational efficiency

Projects

SeatStock | *React.js, Tailwind, Python, MySQL*

August 2023 – Present

- Co-founder and Lead Frontend Developer of a student ticket sales startup
- Authored over 5000 lines of advanced React.js using Tailwind CSS
- Contributed to backend management, database, web hosting and Docker

Art and Artifact Cataloging System | *PyTorch, Python, Matplotlib*

November 2023 – Present

- Retrained and implemented advanced PyTorch-based Faster R-CNN object detection models for identifying and localizing art pieces within images
- Ongoing project focused on advancing the capabilities of the cataloging system for art and artifact enthusiasts and professionals

Covid-19 Data Visualizer | *Python, Flask, Pandas, Plotly, HTML/CSS*

November 2023 – Present

- Designed and implemented a web application utilizing Flask and Plotly to visualize COVID-19 datasets from John Hopkins University
- Developed a comparative analysis feature enabling users to contrast COVID-19 trends between various countries and regions

Languages / Technologies

• **Languages:** Proficient in Python, Java, C++, JavaScript (including ReactJS), and SQL; knowledgeable in HTML/CSS and Tailwind CSS

• **Technologies:** Experienced with Git, Subversion, Docker, and familiar with Agile development methodologies

