LUCAS HIRT

Minnesota

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EDUCATION

Saint Cloud State University   **Spring 2019 – Present**
Bachelor Of Science In Computer Science   *Saint Cloud, Minnesota*

RELEVANT COURSEWORK

- Computer Science I & II: Data Structures & Algorithms
- Database Theory & Design
- Software Systems
- Design & Analysis Of Algorithms

PROJECTS

Memz ⬀ | A FullStack Personal Media App Using Typescript, React, PostgreSQL, GraphQL and More

- Write **strongly typed JavaScript/JSX** using **TypeScript** for improved error checking.
- Utilize a **component library** like **React Bootstrap** for faster development and a cleaner **UI**.
- Implement **Firebase Authentication** for secure **user validation** and **data transmission**.
- Use the common **React Hooks**, including ones useful for user validation like **useContext & useRef**.
- Create an efficient and robust **API** using **GraphQL/Apollo Server** & **Express-NodeJS**.
- Design a **schema** for a **SQL** database (**PostgreSQL**) that is mutable by **GraphQL** and deploy it.
- Implement **authorization headers** for **API** protection and **multiple-site hosting** for deployment.

MovieMe! ⬀ | A Movie List FullStack Web App (MERN stack)

- Write basic **JavaScript** & implement it on the front-end, including **JSX elements.**
- Utilize some of the basic features that **React JS** has to offer, like the **useState & useEffect** hooks.
- Effectively use the core **display properties** of **CSS**, including **flex** and **grid**.
- Construct a **schema** and **model** for a **non-relational database** & utilize its offered operations.
- **Consume** public **web API**'s & create an **Express-NodeJS server**, connecting front-end UI to **MongoDB**.
- **Deploy** a fullstack web app to a **cloud platform** like **Heroku** & **Digital Ocean**.

Doubloon ⬀ | A Stock And Crytpocurrency Information Hub Using ASP.NET Core 6.0 MVC

- Write basic **C#** to create **Models** & **Controllers** that consume **web API**'s, and **Views** to display the data.
- Insert data to a **MS SQL Server** using a **code-first schema**.
- Understand **dependency injection** and **builder services** for **web API consumption (HttpClient)**.

Postal Parser ⬀ | A C++ Postal Record CSV Parser

- Use **C++** to **create** & **utilize custom buffer classes** to parse a postal record containing 40,000+ records.
- Create an indexed block sequence file from the records & use classes to extract & insert data to the file.

Work Experience

Capital One   **Jan 2020 – Present**
Customer Solutions Specialist

- Customer facing role in a **team environment** that requires large amounts of knowledge related to the financial and banking sphere.

Best Buy   **Dec 2017 – Jan 2020**
Mobile Device Servicing and Sales

- **Fast-paced team setting** for **troubleshooting** & **servicing** issues related to phones and carriers.

Cargo Protectors   **Jun 2014 – Dec 2017**
Technician

- Work in a **hands-on** & **team** setting geared towards the **fabrication** of enterprise lock security equipment.

TECHNICAL SKILLS

Languages: C++, Javascript, Typescript, C#, SQL
Developer Tools: VS Code, Visual Studio, Git, Postman, Git, GitHub
Technologies/Frameworks: ReactJS, NodeJS, ExpressJS, GraphQL, PostgreSQL, MongoDB (NoSQL), ASP.NET Core 6.0 MVC, Firebase, Apollo Server, Heroku