

LUCAS HIRT

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EDUCATION

Saint Cloud State University
Bachelor Of Science In Computer Science

Spring 2019 – Spring 2023
Saint Cloud, Minnesota

RELEVANT COURSEWORK

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

PROJECTS

MyMemz | Full-Stack Media App Using Typescript, React, PostgreSQL, GraphQL and More

- Write **strongly typed JavaScript** using **TypeScript** for improved error checking & intellisense.
- Utilize a **component library** like **React Bootstrap** for faster development and a cleaner **UI**.
- Implement **Firebase** for **user authentication**.
- Use the **React Hooks** effective for user validation like **useContext** & **useRef**.
- Create a flexible **API** using **GraphQL** and **Apollo Server** with **Express** & **NodeJs**.
- Design a **schema** for a **SQL** database using **PostgreSQL** that is mutable by **GraphQL** and deploy it.

MovieMe! | A Movie List Full-Stack App Using The MERN Stack

- Write basic **JavaScript** with **React** using **JSX Elements** for the front-end.
- Utilize some of core **hooks** that **React JS** has to offer, like the **useState** & **useEffect** hooks.
- Construct a **schema** and **model** for a **NoSQL database** & utilize its offered **CRUD** operations.
- **Consume** a public **REST API** & create a **RESTful API** with **Express**, linking front-end to **MongoDB**.
- **Deploy** a fullstack web app to a **cloud platform** like **Heroku** & **Digital Ocean**.

Doubloon | A Stock And Cryptocurrency 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 **write buffer classes** to parse a postal record containing 40,000+ records.
- Use **Object Oriented Programming (OOP)** concepts to parse and extrapolate data from a record.

EXPERIENCE

Capital One
Customer Solutions Specialist

Jan 2020 – Present

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

Best Buy
Mobile Device Servicing and Sales

Dec 2017 – Jan 2020

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

Cargo Protectors
Technician

Jun 2014 – Dec 2017

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

SKILLS

Languages: C++, Javascript, Typescript, Python, HTML5, CSS, C#, SQL

Developer Tools: VS Code, Visual Studio, Git, Postman, Git, GitHub

Technologies/Frameworks: React, NodeJs, GraphQL, PostgreSQL, MongoDB (NoSQL), ASP.NET MVC