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@colinhehn

Colin Hehn

Currently living in:
Chicago, IL



Education



B.S. in Computer Science • University of Iowa

Iowa City, IA • Aug. '21 - **Graduation Date: May 2025**

- **Coursework:** Data Structures, System Architecture, Operating Systems, Algorithms, Networking, Databases, Human-Computer Interaction, Front-End Development.
- **Extracurriculars:** Vice President / eSports @ Iowa, Concert Piano & Vocals, Systems Team / Hyperloop @ Iowa, Member / Association for Computing Machinery.

Experience



SWE Intern • YouTube

Mountain View, CA • May - Aug. 2024

- Integrated International Standard Recording Code (ISRC) into a **forthcoming API** within YouTube Music in **C++**, allowing external developers to cross-reference artist performance from internal **SQL** databases with other streaming platforms via **RPC**.
- **Data Validation Testing** & System Monitoring Configuration via **Python**.



STEP Intern • Google

Mountain View, CA • May - Aug. 2022 & 2023

- Co-authored a **C++ library**, alongside 28 pages of design documentation, for detecting errors in Google Analytics data reprocessing framework intent on saving ~2.5 engineering hours, per week, for a team of six engineers.
- Developed an **E2E server** to display user brand search preferences from an **internal API** in webpage format, inclusive of **HTTP**-based authentication, **RPC** Handlers, and security policy, for a team of 21 engineers' ML Model Debugging.



Student Researcher • UI Health Care

Iowa City, IA • Nov. '21 - May '22

- Formulated scripts in **Python** & **PostgreSQL** particularly for the use of large scale database file manipulation and hospital data organization.
- Used DICOM Metadata to make inferences and categorize patient data. Essentially the work of a **Junior Database Administrator**.



SWE Intern • Exioite LLC.

Carpentersville, IL • Jun. '20 - Apr. '21

- Designed a ~3000 line Windows, MacOS, and Mobile solution in **C#**, **Xml**, & **Xamarin**.
- Data storage and client communication through a **Restful API**, **Azure** Functions, and **SQL** Database.
- Applications relied heavily on the **MVVM Model**. Learned the FTE-level ropes of **Git**, product design, and a bit of Stack Overflow.

Some Past Projects



Vice President • eSports @ Iowa

Iowa City, IA • Sep. '21 - May '24

- Grew broadcasting viewership by **261%**, and social media engagement by **218%**.
- Revamped the club's *entire brand*, inclusive of graphics, social media, broadcasting, and new member conversion (**Figma**, **GIMP**, **OBS**, and **Final Cut Pro**).



Panic @ CLC • Crystal Lake Central High School

Crystal Lake, IL • Nov. '20 - Jun. '21

Managed a highschool-level agile development team through boards on **JetBrains Space** platform. Integrated our database in **Google's Firebase NoSQL** format to our Native iOS application, predominantly written in **Swift**.



Andee • Startup Project

Crystal Lake, IL • May '21 - Feb '22

- Designed a **25 Frame UX Mockup** of a cross-platform mobile app in **Figma** & **Protopie**.

Started work on a consumer health application with my former football coach. Almost made it to MVP.

*I'm not done however → A **minimalist productivity app** is in the works!*

My Skills

Backend & Flex

- Java
- Python
- C++
- C#
- HTTP & Rest API
- AWS, Azure, Firebase
- Linux & Bash
- Git & Mercurial (VCS)

Databases

- PostgreSQL
- NoSQL
- Docker
- MongoDB
- Neo4J

Frontend

- Javascript & Typescript
- Node.js
- React *(and React Native)*
- HTML & CSS
- Bootstrap

UX & Product Tools

- Figma *(how I made this résumé!)*
- Protopie
- Adobe Photoshop & AE