

# Tobie Chang

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## Education

**B.S. in Computer Science**, University of Georgia

*Jan 2019 – Dec 2021*

**Relevant Coursework** Software Engineering, Web Programming, Human-Computer Interaction, Systems Programming, Algorithms, Data Structures, Comp Architecture, Database Management

## Projects

**Routine Thumb Web App (Ongoing)**

*Sep 2022 – Present*

- Conceptualized & designed a robust habit tracker web app to be deployed with AWS S3 & EC2
- Implemented ReactJS user interface & designed original assets to establish unique visual brand
- Currently integrating a PostgreSQL database to expand the scope & handle multiple users

**Axolotl Atheneum Bookstore**

*May 2021 – Aug 2021*

- Developed a functional bookstore website using C#, HTML, CSS, Javascript, & Spring MVC
- Led agile scrum sprint planning, retros, & refinement of user stories as scrum master of a team of 5
- Defined visual design & UX by wireframe & implemented 5 proposals using Bootstrap, HTML, CSS, & Javascript before the deployment of the final product
- Securely handled book & user data storage, validation, & encryption with MySQL

**TeamWorkWork Online Classroom**

*Apr 2021 – Jul 2021*

- Executed the end-to-end design process for a hybrid-synchronous classroom platform
- Collected & analyzed 30+ users' feedback to generate a user-centered, high-fidelity Figma prototype over multiple iterations
- Published a 2021 market analysis & mapped out user stories & pain points to justify design decisions

## Experience

**Information Technology Intern**, Retirement Plan Administrators, *Atlanta, GA*

*Nov 2018 – Jan 2019*

- Conducted the critical installation of administrative software & migration of existing census data for over 1000 client companies
- Analyzed and reformatted data at an accelerated rate to achieve desired results with a reduced workforce & recognize \$40000 in annual savings
- Created & utilized Excel macros to perform calculations for significant data

**Dining Room Manager**, Ming's Asian Kitchen, *Marietta, GA*

*Mar 2018 – Jun 2022*

- Directed the hiring, training, & management of staff totaling 7 & handled customer requests
- Managed & maintained POS system & performed accounting for \$2000+ worth of transactions daily
- Identified employee pain points, overhauled training process, & created training materials to improve performance & retention by 50%

## Skills

**Languages** Java, Python, C/C++, HTML, CSS, JavaScript (Vanilla & React), PHP, SQL, NoSQL

**Tools** Git, Bootstrap, Spring MVC, MySQL, Figma, AWS, UNIX, Visual Studio, Eclipse, MS Office, Procreate

**Technical Skills** Web Development & Design, Database Operations, Agile Scrum