

Ricky Cheah

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WORK EXPERIENCE

United States Steel Corporation

Jul. 2024 – Present

Software Engineering Intern

Pittsburgh, PA

Maintain and enhance internal tracking and reporting software every employee uses at the U.S. Steel's Research and Technology Center and its Automotive Center.

Key Results:

- Proposed and led the development of material cross-referencing features, streamlining the linking and comparison of research products with upstream materials, significantly boosting user efficiency.
- Drove efforts to implement automation and resolve primary project tracking and reporting systems issues through user research and workflow optimization.
- **Technologies:** VB.NET, JavaScript, SQL, Bootstrap, jQuery, Oracle, Oracle Application Express (APEX), Azure DevOps (TFVC)

National Diversity Council

Mar. 2024 – Jul. 2024

Web Development Intern

Remote

Contributed to key business operations, including content updates, website migration, and legacy domain archiving.

Key Results:

- Handled over 200 Salesforce website-related support requests spanning multiple business segments.
- **Technologies:** PHP, MySQL, JavaScript, CSS, jQuery, AWS (S3), WordPress

Asher Informatics

Oct. 2023 – Dec. 2023

Web Development Contractor and UI/UX Designer

Pittsburgh, PA

Designed intuitive digital software interfaces by utilizing information architecture and wireframes. Led usability testing and implemented a user-focused company website.

- **Technologies:** JavaScript, CSS, Figma, HubSpot, Wix

Holistic Kids Foundation

Aug. 2023 – Oct. 2023

Software Development Intern

Remote

Developed reusable and modular web components for a health-focused social platform while ensuring scalability and consistency. Designed NoSQL database collections to support efficient data management.

- **Technologies:** React, Material UI, Figma, MongoDB, Express, Git

EDUCATION AND CERTIFICATIONS

Georgia Institute of Technology

M.S., Computer Science | **GPA: 4.0/4.0** | Part-time, Ongoing | Expected Graduation: Fall 2025

- **Courses:** Human-Computer Interaction, AI for Robotics, Health Informatics, Computing for Good, and more.
- **Technologies:** Python, C#, JavaScript, Java, TypeScript, React, Angular, Pandas, NumPy, Docker, Git

Carnegie Mellon University

B.S., Mechanical and Biomedical Engineering | **GPA: 3.81/4.0**

Certifications: AWS Certified Solutions Architect (Associate), AWS Certified Developer (Associate)

PROJECTS

Energy Efficient Household Rewiring (Partner Org: Rewiring America)

Developed a web tool to guide users in selecting electrification appliances and qualifying for tax credits.

- **Technologies:** NextJS, React, Sass, Git

Cloud Practitioners

Developed a serverless platform for sharing AWS certification details and study resources. Implemented user authentication using JWT and HttpOnly cookies.

- **Technologies:** React, TypeScript, Redux Toolkit, TailwindCSS, GitHub Actions, AWS (CloudFront, API Gateway, Lambda, DynamoDB, Cognito, S3)