Bo Yu (Boyang Yu)

Work Authorization: U.S. Permanent Resident / Green card Holder

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Website: zebraseller.github.io/boyang-portfolio-2/
GitHub: https://github.com/ZebraSeller

+ Education:

M.S. Computer Science
University of Southern California **(USC)** – Los Angeles, CA   2023-2025.12

B.S. Material Science and Engineering with Minor in Computer Science
University of Illinois at Urbana-Champaign **(UIUC)** – Champaign, IL   2019-2023

+ Experiences:

Research Assistant at DEFT Lab at Cornell (Python, LangChain)   Jun 2024 – Jan 2025
- Organized raw data into readable tables, and converted literature PDF into formats readable by LLMs.
- Implemented RAG with LangChain and Python to study the behavioral patterns of ChatGPT.

Front-End Developer Part-Time at I Fly Young CCE (HTML, CSS, React.js)   May 2023 – Aug 2024
- Maintained and updated a portion of the official website for the organization using React.js.
- Improved formatting and styling of the organization's website.

Android Engineer Internship/Part-Time at Synchrony Bank (Kotlin, Java)   May 2022- May 2023
- Worked on an Android app for processing credit card payments, fixed bugs and implemented new features.
- Tested application for bugs, then documented and reported findings on the application behaviors.
- Implemented new UI and fragments for the app with asynchronous operations.

Front-End/Software Engineer Internship at Shoptaki (HTML, CSS, React.js)   June-August 2021
- Developed web applications. Designed & implemented UI components and web pages with React.js.
- Collaborated with team members to create new components and pages for websites.
- Designed and Implemented a functioning, responsive Donation Page that accepts payments.

+ Projects:

Illinois Grades Vis (JavaScript, React.js, Node.js, mongoDB)   November-December 2022
- Worked as a team to create a full stack web app that visualizes grades data for UIUC courses.
- Created the frontend app with react, and implemented interactive visualizations such as charts and tables.
- Collaborated with teammates to setup routing and querying data for user search functions.

US Senate Record Analysis (JavaScript, React.js, MySQL, Node.js, GCP)   February-May 2022
- As team leader, coordinated the team's efforts and help designed the database model and its ER diagram.
- Developed the frontend with react, which can request data from the backend for display using HTML requests.
- Set up and maintained the MySQL instance on GCP, as well as routing on the backend Node.js server.

Boyang's Personal Website (HTML, CSS, React.js)   January-November 2021
- Created a mobile-friendly, responsive personal portfolio/info website that acts as an interactive resume.
- Utilized React.js, and CSS to create smooth and transitioning visual elements to improve user experience.
- Designed the structure, functionalities, and visual theme of the website.
- Website URL: https://zebraseller.github.io/boyang-portfolio-2/

+ Awards and Honors:

Robert E. and Karen Martin Luetje Scholar (UIUC)   April 2022
Dean's List of the Grainger College of Engineering (UIUC)   2020 – 2023
AP Scholar with Distinction   July 2019
President's Volunteer Service Gold Award   2016

+ Skills:

Programming Languages: C++, Java, JavaScript, Python, React.js, Node.js, HTML, CSS, C#, SQL, mongoDB, Kotlin, C

Software Development Tools: Git, Google Cloud, AWS, IriusRisk, Unity Engine, Unreal Engine

Data Analysis & Productivity: R, MATLAB, Excel, Word, PowerPoint, Google Colab

Digital Design / Art & 3D Modeling: Adobe Photoshop, Premiere Pro, 3DS Max, Blender

Language: English, Chinese (Mandarin)

Soft Skills: Fast Learner, Teamworking, Critical Thinking, Problem Solving, Communication, Leadership, Agile Development