Zachary Weiss

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EDUCATION

University of Michigan **Ann Arbor, MI**
Bachelor of Science in Engineering in Computer Science *May 2024*
Minors in Entrepreneurship and Business
GPA: 3.88, University Honors (2020 – 2021), Dean's List (2020 – 2021)
Coursework: Programming and Intro Data Structures, Discrete Mathematics, Barger Institute Leadership Lab, Fundamentals of Computer Science (Fall 2021), Data Structures and Algorithms (Fall 2021), Entrepreneurial Creativity (Fall 2021)

EXPERIENCE

Google **Remote (Los Angeles, CA)**
STEP Intern *May 2021– August 2021*

- Worked closely with another intern to develop a feature in the Google News Android app that provides stock information for relevant companies in articles shown in the Business feed using Java, Protocol Buffers, and other proprietary technologies
- Created methods and services to identify relevant articles, query an internal Finance RPC, and format the response for client consumption
- Implemented an auto-reloading cache to reduce the latency of finance information queries by 35%
- Executed the entire development process for the finance integration project, including writing design documents, leading production and launch reviews, testing, and launching to thousands of users

NoReceipts **Los Angeles, CA**
Founder *December 2019 – Present*

- Formed NoReceipts in conjunction with the United Nations' Sustainable Development Goal 13 – Climate Action as an electronic receipts platform that eliminates the creation of 1.5 billion pounds of waste annually
- Conducted market research to develop a thorough business plan that included four revenue streams, prototypes, and strategy
- Named a Finalist in the Network For Teaching Entrepreneurship's World Series of Innovation in the Climate Action category

PROJECT EXPERIENCE

Michigan Hackers **Ann Arbor, MI**
Android Core Team Member *August 2020 - Present*

- Propose the official 2020-2021 Android Core project, Hungr, an AI driven, "Tinder style" food suggestion app which provides users with personalized restaurant recommendations with respect to their location and food preferences
- Develop the front-end functionalities of the app including the user experience using Figma and the UberEats API

Brentwood School Robotics Team **Los Angeles, CA**
Senior Team Leader *August 2017 – May 2020*

- Guided the design and building of the robot used to compete against 15 other teams in First Tech Challenge competitions based on the Tetrix framework and incorporating custom-designed laser cut pieces to meet specific requirements
- Wrote the Engineering Notebook, which included diagrams, sketches, and notes, by carefully recording each meeting's progress on the robot to promote best practices and the Engineering design process

LEADERSHIP

Joy of Coding (University of Michigan) **Ann Arbor, MI**
Coach (Teaching Assistant) *May 2021 - Present*

- Contribute to and support the development of six engaging lesson plans for a Computer Science course on the Pathbird platform targeted at high school students without prior experience to Computer Science
- Provide individualized support to over 1400 students through synchronous and asynchronous office hours and helplines
- Cultivate a welcoming learning environment for first-time programmers by providing personalized feedback with the grading philosophy known as "ungrading"

Wilshire Boulevard Temple Religious School **Los Angeles, CA**
Madrich (Teaching Assistant) *August 2017 – May 2020*

- Developed and implemented interactive lesson plans for 20 third, fourth, and fifth grade students to interact with their Jewish identity and learn more about Judaism
- Provided individualized and group Hebrew tutoring sessions to underachieving students to improve literacy and comprehension of Jewish prayers in preparation for their Bar Mitzvah services

HONORS/SKILLS

Computer: Java, C++, Protocol Buffers, Git, Mercurial, Matlab, LaTeX
Languages: English (Native), Spanish (Proficient), Hebrew (Elementary)
Certifications: Bloomberg Market Concepts (2021)
William J. Branstrom Freshman Prize (2021) - Awarded to first-term freshmen who rank in the upper five percent of their class within their school or college
Community Service Award (2020) - Awarded to the senior who has "enriched the Brentwood School community through their service to others" both inside and outside of the school community