ARI SINGER

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EXPERIENCE

AMAZON

Software Development Engineer — *March 2024 – Present*
- Pushing code
- Reviewing code
- Debugging code
- Coffee

Software Development Engineer Intern — *May 2022 – August 2022*
- Interfaced directly with Fire Tablet devices to automate a previously manual QA process
- Completed a full-stack, end-to-end project that will save Amazon time and money
- Mentored two new hires in internal tooling and tablet automation software packages

Software Development Engineer Intern — *May 2021 – August 2021*
- Developed and deployed an internal tool to better manage a process necessary when adding new advertisement campaigns displayed on both Fire tablets and Fire TV
- Utilized many AWS technologies including Lambda, DynamoDB, S3, ECS, CDK, IAM
- Obtained practical experience learning new technologies efficiently, working alongside professional software development engineers on an agile team

MACHINE LEARNING BIOMETRIC RESEARCH TEAM — Ann Arbor, MI

Apprentice Researcher — *January 2021 – December 2021*
- Researched within a multidisciplinary team of undergrads to study reinforcement learning techniques and their applications for tuning inkjet printer parameters successfully
- Improved skills for reviewing and understanding academic publications, determining their relevance to a given project, and summarizing and presenting findings to team leadership
- Applied new research publications to our own development of our printing quality model

ELEMENTARYCONNECT LLC — West Bloomfield, MI

Co-Founder — *August 2020 – January 2021*
- Founded a platform for local young families to be paired with mentors to supervise their children during the virtual school day, providing the community with a much-needed service
- Executed many aspects of starting a business from the ground up, including formulating a business plan, filing as a registered entity, initial advertising, and initial launch

BEYOND GAMING, LLC — Royal Oak, MI

Software Engineering Intern — *March 2019 – June 2019*
- Created various PHP plugins for the GamerSaloon blog

EDUCATION

UNIVERSITY OF MICHIGAN — Ann Arbor, MI

MSE/BSE in Computer Science, Math Minor — *May 2024*
- Cumulative GPA: 3.95/4.00 (Summa Cum Laude)
- Coursework: Operating Systems, Machine Learning, Web Systems, Artificial Intelligence, Systems of Generative AI, Compilers, Cryptography, Computer Networks, Computer Architecture, Natural Language Processing, Mobile App Development, Logic Design, Fourier Analysis, Differential Equations
- EECS Scholar Award (December 2020, April 2021, December 2021), Dean's List (Fall 20, Winter 21, Fall 21), James B. Angell Scholar (March 2022), Regent's Merit Scholarship recipient
- Member of the Eta Kappa Nu (HKN) IEEE Honors Society, Tau Beta Pi Engineering Honors Society, Michigan Finance and Mathematics Society, Cognitive Science Community

COURSERA SUPPLEMENTAL COURSEWORK
- Hyperparameter Tuning, Regularization, and Optimization — *January 2021*
- Neural Networks and Deep Learning — *December 2020*
- Introduction to Programming in Swift 5 — *July 2020*