EDWARD LI

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EXPERIENCE

Independent Contractor – New York, NY   Dec 2021 – Present
Software Developer
- Design and develop a web-based incremental simulation game using the open-source Bevy engine in Rust
- Design and develop a cross-platform workout tracker application using Dioxus, Axum, and SurrealDB in Rust
- Designed and developed a progressive web application using React, Ruby on Rails, GraphQL, and PostgreSQL to facilitate the listing and sale of digital art published under an artist collective on the WAX blockchain
- Built and maintained automated testing pipelines for a health technology company's production software, ensuring the security of sensitive health data while complying with federal regulations

DIA Associates – New York, NY   Nov 2020 – Dec 2021
Data Analyst
- Performed A/B testing on top credit card issuer's specialized offers to help marketing teams implement better customer targeting and offer terms, thereby increasing customer engagement and retention
- Identified likely-to-attrite small business and corporate credit card customers to prioritize efforts of outbound attrition prevention team, resulting in hundreds of additional customers retained per month
- Identified high-spend-potential customers by analyzing early tenure behavior and firmographics, prioritizing efforts of account development team
- Improved a credit card issuer's merchant DBA name matching algorithms to enhance accuracy of transaction metadata on customer account statements, leading to fewer false positive fraud escalations

Delphi, LLC – Baltimore, MD   May 2018 – Oct 2020
Principal Consultant
- Designed and oversaw the implementation of an economically motivated peer-to-peer monetary asset exchange network for a startup seeking to enhance its existing production software
- Critiqued and prepared economics expert testimony and reports in preparation for corporate litigation defense, resulting in the court dismissing the majority of the plaintiffs' claims

Atana – Baltimore, MD   Nov 2017 – May 2018
Vice President of Product
- Oversaw the design of a blockchain-based platform for managing and monetizing electronic health records
- Presented the platform to investors and advisors for a successful seed round that resulted in $500K funding
- Facilitated the Company's entrance in several entrepreneurship and technology competitions, resulting in the receipt of awards, grants, and monetary prizes from ETHDenver, the Ralph S. O'Connor Fund, J.P Morgan, and AARP Foundation

J.P. Morgan – New York, NY   Jun 2017 – Aug 2017
Investment Banking Credit Risk Summer Analyst
- Determined the creditworthiness of asset management firms using both internal and industry-standard rating models
- Presented a quarterly portfolio review of asset management clients to managing directors

Johns Hopkins Institute for Applied Economics – Baltimore, MD   May 2015 – May 2020
Chief Research Assistant for Prof. Steve H. Hanke, Croft Scholarship Fellow, Teaching Assistant
- Independently evaluated potential investments and presented theses to fund managers using a combination of a proprietary discounted cash flow approach, Monte Carlo statistical analysis, and proxy-statement review
- Led several teams of research assistants on various research projects, including analyzing country-level monetary and financial statistics and monitoring indicators of currency health for the Troubled Currencies Project
- Published original research papers in academic journals and business magazines, including the Journal of Applied Corporate Finance, on topics ranging from currency board orthodoxy to international trade wars

EDUCATION

Johns Hopkins University – Baltimore, MD   Aug 2018
M.A. in *Mathematics,* B.S. in *Physics* and *Mathematics* with a concentration in *Financial Economics*
- **GPA:** 3.6/4 ▪ **Honors:** Dean's List, General Honors, Departmental Honors (Physics), Sigma Pi Sigma
- **Research Topics:** Machine learning, unsupervised clustering, diffusion mapping

PERSONAL

Technical Skills: Rust, React, Tailwind, Node.js, Ruby on Rails, SQL, Python, HTML, CSS, JavaScript, C, C++, Java, Excel
Languages: Fluent in Mandarin Chinese
Interests: Cooking, barbequing, skiing, hiking, dog walking, fitness