MARIA XU

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EDUCATION

University of California, Berkeley   **Berkeley, CA**
B.S. Electrical Engineering and Computer Science (College of Engineering)   Expected May 2025   GPA: 3.77
- **Relevant Coursework:** Structures of Comp Programs, Data Structures & Algorithms, Designing Info Systems, Multivariable Calc, Probability & Statistics, Discrete Math, Operating Systems, Computer Architecture

PROFESSIONAL EXPERIENCE

Blockchain @ Berkeley   **Berkeley, CA**
Blockchain Developer   January 2023 - present
- Deployed various smart contracts written in Solidity onto Ethereum Blockchain to automate hospital billing process, secure patient data, and verify transactions and integrated them with a usable front-end platform for internal clients

Venture Strategy Solutions   **Berkeley, CA**
Senior Contract Strategy Consultant – Step (Series C financial technology company)   January 2023 – present
- Ideated product features and produced 150+ pages in weekly reports and two deliverables to company executives
- Leveraged A/B testing on data from 1100 students to recommend features for emerging financial technology product

Junior Contract Strategy Consultant – Halla (Series A business intelligence company)   September 2022 – December 2022
- Conducted market research and delivered consumer data-driven recommendations directly to company executives
- Utilized Pandas and Jupyter Notebook analyses with proprietary product and customer data to provide go-to-market strategies and business plan for market entry into insurance and healthcare industries by working with team of 5

Microsoft   **Redmond, WA**
Research Intern – Azure Machine Learning   August 2021 – September 2022
- Researched and published two articles on effect of COVID-19 on food supply chain, offering extensive revenue analysis of fast-food restaurants using Pandas and Numpy and generating market strategy recommendations for businesses
- Leveraged Python and Azure ML Studios for data analysis and modeling of consumer behavior and restaurant sales
- Created demand forecasting algorithm with Scikit Learn, leading to 13% less food waste at local restaurant in one month

The Bohringer Lab @ Univ. of Washington   **Seattle, WA**
Research Assistant   May 2020 – September 2021
- Supported microelectromechanical systems research by assisting professor and PhD students in designing tunable optical elements used in mobile, entertainment, robotics, aerospace, and biomedical fields, increased precision of lenses by 16%
- Prepared and analyzed 20+ technical models generated with ANSYS and COMSOL 3D design software simulations

PERSONAL PROJECTS

- **Cats:** Python program to measure typing speed. Includes autocorrect and multiplayer function on GUI   September 2022
- **Budget Tracker:** React App for personal budget tracking with search and data visualization functions   October 2022

LEADERSHIP, VOLUNTEERING, AND EXTRACURRICULARS

Code4Care   **Bellevue, WA**
Co-Founder/Curriculum Developer/Outreach Director   May 2020 – June 2022
- Founded STEM nonprofit to teach students ages 6 - 18 coding, robotics, CAD, etc. by designing coding modules
- Expanded to six continents with 300+ participants to raise $2000+ for COVID-19 relief through participant donations

Instagram (@lets.go.coconuts)   **Bellevue, WA**
Content Creator (Food & recipe blogger)   May 2020 – Present
- Maintained active social media presence through developing and sharing recipes to grow personal business Instagram following by 250% and engagement by 2000% in 3 months, peaking at 40k unique accounts reached per post

SKILLS, LANGUAGES, AND INTERESTS

Skills: Python, Java, Machine Learning (Scikit Learn), SQL, React, Node JS, Solidity   **Languages:** Chinese, Spanish
Interests: Cooking/baking, martial arts, photography, violin, volleyball, nutritional sciences, fitness, mixed media art, traveling