Joshua Yin

Student, Programmer, Open Source Developer

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EDUCATION

University of Washington | B.S. in Computer Science   Sep 2023-Jun 2025
Cumulative GPA - TBD

Interlake Senior High School | IB Diploma Alumni, Programming Club Officer   Sep 2019-Jun 2023
GPA: 4.0/4.0, ACT: 35
IB Diploma (score of 43/45), AP Scholar With Distinction (5 on 15 APs), National Merit Finalist

EXPERIENCE

OpenEXA | Software Intern   Dec 2022-Jun 2023
- Built a decentralized application (DApp) to oversee company token management:
    - Wrote a frontend token management client using React/Next.js
    - Integrated web3.js libraries to communicate with the smart contract
    - Used MongoDB to implement an efficient and scalable user data store
    - Containerized the application for seamless deployment on the Google Cloud Platform
- Developed ERC-20 compliant smart contracts in Solidity
- Successfully deployed a variety of tokens onto the Ethereum blockchain

Bond Intelligence | Lead Intern   Aug 2022-Jun 2023
- Worked closely with CEO to manage a team of interns working on a data visualization project
- Utilized Google Data Studio and SQL to construct data models for detailed analysis of trends in the bond market and identify high-performing bonds

ComplexityZero | Educational Content Creator   Oct 2020-Jun 2021
- Scripted, voiced, edited, and produced a series of videos on the theory behind computer science algorithms and their applications in competitive programming (prefix-sums, graphs, etc.)

PROJECTS

Wake and Push - Winner of HackPNW Winter '23 | Python, MediaPipe
- Fitness-oriented alarm clock that motivates users to start their day with physical activity by requiring them to perform pushups to silence the alarm
- Uses MediaPipe Pose Landmarker model to analyze pushup form and count repetitions

Personal Website/Blog | React/Next.js, Tailwind CSS, GraphQL
I post technical articles and write about things that interest me

Open Source Contributions | GitHub
More than 100 PRs to various developer tools, ranging from Neovim plugins to Rust CLI programs

SKILLS

Programming
- Data Structures and Algorithms
- Java (4+ years) - Object-Oriented Programming, Polymorphism/Encapsulation
- C/C++ (2+ years) - STL, Pointers, Templates, File I/O
- React.js/Next.js, JavaScript/TypeScript, Lua, Python, Rust, Solidity, SQL, HTML, CSS
- Other - React.js/Next.js/Node.js, MongoDB, Google Cloud Platform

Tools
- Scripting (Bash, Python), git, GitHub Actions, CI/CD, Docker, Make, Linux/Unix
- Vim, Tmux, Zsh, LaTeX, Visual Studio Code, IntelliJ IDEA

AWARDS

Best Overall | HackPNW   Feb 2023
Led my team to win the 2023 HackPNW Winter '23 hackathon held at Microsoft Reactor

Gold Division | USA Computing Olympiad   2022
Competed in the Gold Divison of the USA Computing Olympiad, comprising roughly 500 pre-collegiate students

2x AIME Qualifier | Mathematical Association of America   2021, 2022
Roughly the top 2.5-5% of participants in the AMC 10/12 take this exam

CERTIFICATIONS

Machine Learning Specialization | Coursera   Aug 2022
Supervised Learning, Unsupervised learning, Recommender Systems, Reinforcement Learning