

# Joshua Yin

Student, Programmer, Open Source Developer

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## EXPERIENCE

### OpenEXA | Software Intern

Dec 2022-Jun 2023

- Built a decentralized application (DApp) to oversee company token management:
  - Utilized React.js/Next.js for the frontend
  - Integrated web3.js libraries to communicate with the smart contract
  - Implemented MongoDB for efficient user data management and storage
  - 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

### Fill the Gap | Math Tutor

Oct 2020-Jun 2021

- Created and taught math curriculum for Fill the Gap, an organization dedicated to helping high-achieving students continue their passion for learning during the pandemic

## 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 to analyze pushup form and count repetitions

### Personal Website/Blog | React.js/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,  $\text{\LaTeX}$ , Visual Studio Code, IntelliJ IDEA

## EDUCATION

### University of Washington | B.S. in Computer Science

2023-Present

Cumulative GPA - TBD

### Interlake Senior High School | IB Diploma Alumni, Programming Club Officer

2019-2023

GPA: 4.0/4.0, ACT: 35

IB Diploma (score of 43/45), AP Scholar With Distinction (5 on 15 APs), National Merit Finalist

## AWARDS

### Best Overall | HackPNW

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 Division of the USA Computing Olympiad, comprising roughly 500 pre-collegiate students

### 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

2022

Supervised Learning, Unsupervised learning, Recommender Systems, Reinforcement Learning