

Andrew Ni

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EDUCATION

Purdue University

West Lafayette, IN

Bachelor of Science in Computer Science

Aug. 2020 – May 2024

- **Relevant Coursework:** Data Structures and Algorithms, Discrete Mathematics, Multivariable Calculus, Object-Oriented Programming, Programming in C, Systems Programming, Software Engineering

EXPERIENCE

Walmart Global Tech

Bentonville, AR

Software Engineer Intern

May 2023 – Aug. 2023

- Developed a multifaceted utility utilizing Spring Boot, Kafka, Cassandra, and Solr, proficiently synchronizing over 40 million records between the Cassandra and Solr databases, underpinned by a cron scheduler to allow for automation
- Implemented an email notification system, sending real-time notifications during synchronization milestones, ensuring informants were notified from initiation, through completion, to any encountered discrepancies
- Orchestrated a user-centric utility, facilitating the precise replication of data from 15+ Cassandra tables into designated destination tables across multiple development environments including dev, stage, and prod
- Anchored the solution's front-end using React.js, while optimizing backend communication via Axios, ensuring seamless interaction with a Spring Boot backend

Estack

Tbilisi, GE

Software Engineer Intern

Aug. 2021 – Nov. 2021

- Conceived and developed a real estate listing platform using React.js, Node.js, and MySQL
- Conceptualized a user-centric front-end architecture with React.js, enhancing the user experience and supporting an average of 5,000 daily active users from landing to dashboard interaction
- Incorporated a MySQL database, optimized for secure and efficient storage of over 25,000 user profiles and processing approximately 150,000 monthly engagement data points

Purdue Hack The Future

West Lafayette, IN

Frontend Developer

Sep. 2020 – May 2021

- Engineered a robust full-stack web solution for Jessie's Kids Foundation, streamlining over 20 monthly funding requests, utilizing Javascript, EJS, and Materialize for employee submissions and board member evaluations
- Deployed EJS and JavaScript to architect a front-end landscape, successfully handling over 2,000 daily users across login, request submissions, and password recovery pages
- Integrated Materialize, enhancing user experience with a 30% faster load time and a responsive design

PROJECTS

Port | *Axios, Ethers.js, React.js*

port-andrewni.vercel.app

- Architected a React.js-based web interface to elucidate an Ethereum wallet's aggregate value, encompassing both ERC-20 assets and NFT holdings
- Integrated Ethers.js protocols to facilitate seamless Metamask connections, ensuring precise retrieval of on-chain Ethereum balances
- Leveraged Coingecko and OpenSea API integrations via Axios, ensuring real-time data acquisition for Ethereum valuation and comprehensive NFT asset analytics

Fibro | *Firebase, Next.js, Node.js*

fibro.dev

- Developed a full-stack web application, allowing authenticated users to catalog their product inventory, encompassing details like nomenclature, pricing, and categorization
- Leveraged Next.js, enhancing application performance through server-side rendering and static site generation
- Integrated Firebase tools, utilizing Authentication for robust user sign-ins and Firestore as a database backend, managing product entries and ensuring consistent data presentation across user sessions

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS

Technologies: React.js, Node.js, Spring Boot, Material-UI, MySQL, Express.js, MongoDB, Cassandra, Solr, Kafka