Thomas **Nguyen**

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Education

San Jose State University	*San Jose, California*
Bachelor in Software Engineering	*Expected May 2023*

Evergreen Valley College	*San Jose, California*
Associate in Mathematics	*Completed December 2020*

Experience

Backblaze	*San Mateo, California*
Front End Engineering Intern	*July 2021 - Current*

- Developed reusable React components utilizing Theme UI and Storybook for Netlify CMS used by over 10 people on the marketing team for production Backblaze website
- Implemented navigation bar using Redux and React Hooks for custom React-Static page
- Created custom component using the Intersection Observer API that adds lazy loading to any React component
- Improved performance and reduced page weight of production pages by 30% using Lighthouse to capture metrics
- Tested React components using Jest snapshots with 100% code coverage
- Ensured all React components implemented typechecking with PropTypes to catch bugs

VirtuaBroker	*London, England*
Software Engineer	*April 2021 - July 2021*

- Created custom subscription page for users to pay for different tiers of services resulting in over $10,000 monthly sales
- Improved user engagement time over 150% by developing sorting capability of cryptocurrency markets in ascending or descending order for different filters using Lodash and React Hooks
- Developed currency selector that allows users to view results of the platform such as the value of their portfolio in USD, EUR, or BTC using Redux and React Hooks
- Pushed React features into production for crypto platform with over 1,000 users

Eloquent Cloud	*Agoura Hills, CA*
Software Engineering Intern	*June 2020 - December 2020*

- Designed and developed algorithm to detect changes in LDAP server using MongoDB and Golang in order to automate infrastructure with Ansible scripts and Docker containers
- Built full stack web application with PHP and jQuery for querying and modifying LDAP server used internally by 5 other developers
- Secured web application by implementing company's Central Authentication Service (CAS)

Projects

Misfits DeFi

Cryptocurrency Project

- Designed and developed landing page for cryptocurrency token using React, Styled Components, Tailwind CSS, React Router, React Scroll, React Hooks, React Particles, Material UI, React Minimal Pie Chart
- Wrote technical white paper to explain the issues with food waste and solutions the Misfits DeFi platform would bring
- Researched other cryptocurrency token projects to develop standards for token economics, white paper, pitch deck, marketing, and development of token

Study App

Full Stack Project

- Acted as project lead for team of 4 developers to create Flask web app
- Created tickets with acceptance criteria via GitHub issues and delegated tasks to developers
- Developed features in Python that interchangeably converts Markdown, HTML, and PDF files
- Added docstrings for features and wrote up README for getting started, running the app, and how to view the app
- Utilized Bootstrap to create splash page and routed the user to the home page upon successful login

Skills

Languages	Java, Python, JavaScript, HTML/CSS, Golang
Frameworks	React, jQuery, Material UI, Tailwind CSS, Styled Components, Theme UI
Developer Tools	Git, VS Code, Jira, Sourcetree, Storybook, Jest, Lighthouse, Netlify CMS, React-Static