

Brandon Tran Le

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EDUCATION

University of California, Los Angeles

Bachelor of Science in Computer Science

Los Angeles, CA

Sep. 2022 – Jun. 2026

Monterey Peninsula College

Associate's in Social Sciences

Monterey, CA

Jun. 2020 – Jun. 2022

EXPERIENCE

Co-Founding Software Engineer (Security Focus)

Jan. 2024 – Present

Vitametrics

Monterey, CA

- Contributed 40K+ lines of code, developing **HIPAA compliance** in secure, reusable React.js components and back-end solutions. **Improved loading times by 80%** while ensuring secure data exchange.
- Managed a beta test with 100+ Fitbit devices at Iowa State University, **collecting security-related feedback and performance data** to identify vulnerabilities and optimize application performance.
- Implemented security practices such as **encryption, secure session management, and input validation** to protect sensitive data, and **mitigate vulnerabilities when collaborating with academic partners**.

Software Engineer Intern

Jan. 2024 – Apr. 2024

Intern Guys

Irvine, CA

- Identified and resolved a **security vulnerability** in our contact form that was being exploited by a script to send spam emails, by CAPTCHA validation, rate limiting, and input sanitation.
- Optimized a job search algorithm in C# for **50% faster search time and 95% in job matching accuracy**.
- Created a **full-stack blog platform** in React.js, resulting in a **30% increase in engagement**.

Web Application Security Developer

Jun. 2023 – Dec. 2023

Monterey Peninsula College

Monterey, CA

- Managed production web server for a community college application, implementing **role-based access control, SSL encryption, and firewall configurations**, ensuring **secure access and 99.9% uptime**.
- Created a **peer-grading website** in PHP and Bootstrap HTML to handle 600 project submissions, enforcing input sanitation to **prevent form field manipulation and reduced security vulnerabilities by 100%**.
- Built a **Python API** to sort and allocate 3 project links to each user for peer grading, **automating and reducing manual processing time by 99.87%**.

Software Engineer Intern (Security & Development Focus)

Jun. 2023 – Dec. 2023

Hexfork

Oxford, England, UK

- Led a team of five interns to achieve a **35% increase in user clicks** while **increasing protection against common web vulnerabilities** in the company's React.js static site.
- Lessened development time and reduced security risks of React.js applications by 40%** by creating reusable components with secure coding standards.
- Developed an automated Python bot** for recording employee hours, implementing security measures that **reduced the risk of tampering by 90%**.

PROJECTS

Miso | *React.js, TypeScript, Node.js, MongoDB*

Sept. 2023 – Dec. 2023

- Developed a customizable productivity web application with over 10 dynamic widgets, allowing users to personalize their dashboard for workflow efficiency.
- Deployed two-factor authentication and multiple external APIs for widget functionality and improved security.

Math-Science Upward Bound Static Website | *React.js, TypeScript, Tailwind*

July 2024 – Present

- Constructed a secured React website intended for discovery of the MSUB program to over 1000 students.
- Designed a responsive interface in React and Tailwind, ensuring accessibility on desktop and mobile.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, C#, C++, Python, PHP, HTML/CSS, Shell

Frameworks & Libraries: React, Express (Node), Material-UI, .NET Core, Tailwind CSS

Tools: Amazon Web Services, Azure DevOps, WireShark, ZAP, Docker, Git, Node, Jest

Practices: Application Security, Code Reviews, Pair Programming, Unit Testing, Agile Development