Brandon Tran Le

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EDUCATION

University of California, Los Angeles — Los Angeles, CA
Bachelor of Science in Computer Science — *Sep. 2022 – Jun. 2026*

Monterey Peninsula College — Monterey, CA
Associate's in Social Sciences — *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*
- **Fixed a security vulnerability** in our contact form exploited by spam, **affecting 20,000+ users.** Added CAPTCHA, rate limiting, and input sanitation, **stopping spam and injection attacks by 100%**
- 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 parameter tampering and reduce front-end security vulnerabilities**.
- **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 site.
- **Lessened development time and 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* — Sep. 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* — Jul. 2024 – Present
- Constructed a security-focused React website to introduce the MSUB program to over 1000 students.
- Created an intuitive user interface compliant with WCAG 2.1 accessibility standards for 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