Minh Pham

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I'm a Data Science major with extensive software development experience spanning mobile app development, test automation, and full-stack technologies. With multiple internship experiences including recent roles as a Software Engineer at Stealth and Mobile Developer at Ticketingbox Inc, I specialize in cross-platform development, automated testing frameworks, and API integration. I have successfully built complete mobile applications from scratch and implemented enterprise-level testing infrastructure.

SKILLS

Programming Languages/Framework: ReactNative, Python, R, JavaScript, SQL, HTML, CSS, Java, Dart, Swift
Softwares: MySQL Workbench, GitHub/Git, XCode, Playwright
Graphic Design: Figma, Adobe Illustrator

EDUCATION

Fei Tian College Middletown, Middletown, New York, US   *Sep 2023 - May 2026*
Bachelor of Science in **Data Science**

- **Relevant courses:** Machine Learning (ongoing), Data Mining, Data Inference, Data Visualization, Probability Theory and Methods, Data Structure and Algorithms, Database Systems, Front-End Web Development
- GPA: **3.58**
- **Honors:** Dean's List - 2023-2024: Fall, Dean's List - 2023-2024: Spring, Dean's List - 2024-2025: Fall

WORK EXPERIENCE

Stealth   **Middletown, NY**
Software Engineer Internship   *June 2025 - August 2025*

- Piloted Playwright framework implementation for automated E2E testing, establishing protocols for cross-platform applications
- Wrote 87 automated tests across mobile/desktop platforms, reducing manual testing overhead
- Deployed testing pipeline on Linux server with network-accessible reporting and automated email notifications
- Caught 3 critical production bugs undetectable through manual QA processes
- Led frontend migration from Ionic to React Native/Expo, implementing 80% of features including barcode scanning and SQLite integration
- Designed cross-platform UI components and managed app state architecture to improve user experience without dedicated design resources

Ticketingbox Inc   **Remote**
Academic Partnership - Mobile Developer   *October 2024 - March 2025*

- Built complete mobile app from scratch in 8 months after legacy Ionic system failure
- Integrated 15+ deprecated API endpoints, solving complex JSON-RPC gateway issues through stakeholder collaboration
- Designed offline-capable SQLite database enabling real-time barcode validation without internet connectivity
- Implemented multi-format barcode scanner supporting QR codes, Code 128, and UPC with instant feedback

Northern Horizon   **Middletown, NY**
NASA Research Associate Summer Internship   *May - July 2024*
Migrated the entire ESP website onto mobile platforms using Flutter

- Managed 6 people as Team Leader, supervising task assignment and guiding junior team members on FlutterFlow. Used Git to consolidate the team's progress and plan for the next day. Managed the project timeline, making sure that both development phase/test phase fit into the 3-weeks time frame.
- Built 3 custom widgets using the Flutter framework.
- Performed 80% of the tests and contributed to fixing 30% of the bugs.
- Designed and prototyped the app using Figma and Adobe Illustrator to ensure consistency in aesthetics and user experience.

Earthquake Signal Precursor (ESP)
- Designed and implemented a dashboard page that describes real-time magnetometer data from data stations, using [NASA's WorldWind](#) library, [dygraphs,](#) and [Start Bootstrap](#) library .
- Debugged legacy server-side code and parameterized 40+ vulnerable SQL calls to prevent SQL injection. Consolidated 20+ routes with similar logic and modified all routes to dash-case for consistency.
- Repaired insecurity in two-factor authentication process by shifting the process to the server side and implementing an OTP session API for enhanced security.
- Designed & implemented a SQL relational database for user authentication and user settings.
- Collaborated with designers to revamp the website's visual appearance for a more intuitive and consistent user experience.