

Zhandos Brown

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EDUCATION

Boston University

B.A., Applied Mathematics

Boston, MA (open to relocate)

Graduation Date: May 2026

SKILLS

Languages: Python, JavaScript, TypeScript, Java, Swift, Rust, Golang

ML/AI: TensorFlow, PyTorch, MoveNet, OpenCV, Scikit-learn, Embeddings, Model Deployment, Evaluation

Frameworks/Tools: React Native, SwiftUI, Node.js, Flask, MySQL, GraphQL, Firebase, Expo, Git, Azure

Languages: English (Native), Kazakh (Native), Russian (Native), Turkish (Intermediate)

Interests: Machine Learning, AI, Software Engineering, Robotics, Quantum Computing, 3D Graphics

WORK EXPERIENCE

Fidelity Investments

Merrimack, NH

Mobile Engineer Intern - SwiftUI, GraphQL, Rust

Jun 2025 - Aug 2025

- Engineered high-performance, scalable document rendering engine utilizing multi-dimensional content analysis and predictive layout estimation, resulting in processing of hierarchical data structures.
- Redesigned legacy monolithic iOS architecture into modular microservice-style Swift components with declarative patterns, enabling real-time content flow.

80edays - ChargeHotels

Boston, MA

Mobile Engineer Intern - SwiftUI, REST APIs, Jira

Jun 2024 - Aug 2024

- Contributed to development of iOS application in designing and deploying for Europe's largest rally event, using SwiftUI, UIKit, and Combine for robust and user-friendly interface.
- Integrated multiple APIs and developed backend solutions using Node.js, supporting functionalities like hotel reservations, car model details, and license verifications, improving operational efficiency.

Spark! Innovation Apprenticeship

Boston, MA

Software Developer - React Native, Firebase, Git

Jan 2024 - May 2024

- Developed DrivMi, fully functional designated driver app in React Native, utilizing Firebase for secure database storage, and integrating Google Maps for real-time location tracking and route planning.
- Optimized custom driver matching algorithm with Node.js, improving response times by 40% and enhancing user satisfaction by matching drivers based on proximity, availability, and ratings.

MACHINE LEARNING PROJECTS

Cortex Motion Detector - Machine Learning Engineer

devpost.com/software/cortexmd

Python, TensorFlow, OpenCV, MoveNet, React Native

Nov 2024 - Nov 2024

- Built MoveNet pose estimation + TensorFlow model for neuromuscular screening.
- Engineered Flask + MySQL backend to analyze 500+ frames/min, cutting screening time by 40%.

Muscle Intelligence - Machine Learning Developer

devpost.com/software/muscle-intelligence

Python, TensorFlow, OpenCV, MoveNet, Flask, MySQL

Oct 2024 - Oct 2024

- Designed TensorFlow + OpenCV Computer Vision models detecting posture deviations with <200ms latency and 92% accuracy.
- Integrated models into React Native app used by 100+ testers, improving form accuracy by 25%.