Zhandos Brown

zhandosbrown.vercel.app | zhandos@bu.edu | linkedin.com/in/zhanbrown | github.com/zhandolia

Education

Boston University, Massachusetts **Expected May 2026**
Bachelor of Arts, Computer Science *Boston, MA*

Experience

80edays - ChargeHotels **Apr 2023 – Present**
Full Stack iOS Development Intern *Boston, MA*

- Led development of feature-rich **iOS** application for major electric vehicle rally event, leveraging **Swift** and **Figma** to create robust and user-friendly interface. Focused on integrating real-time tracking, event updates, and participant engagement to deliver seamless user experience.
- Implemented comprehensive API integration, fetching and incorporating data for over 5000 hotels across Europe into app database, thereby greatly enhancing app's functionality and user options. This key feature significantly improved application's utility for event participants and supporters, facilitating better planning and decision-making.

80edays - EcoRoute **Jan 2023 – Mar 2023**
Software Engineering Intern *Boston, MA*

- Spearheaded integration of **Google Maps API** with **Django** and **React**, optimizing route planning for electric vehicles. Integration improved user experience by providing real-time data on charging stations and traffic conditions.
- Utilized **Python** and **Flask** to efficiently process and manage data, resulting in more robust and scalable backend. Identified and resolved over 20 failed tests weekly by conducting rigorous root cause analysis, ensuring rapid and accurate resolution of issues to maintain software quality and reliability.

Global Health Research Center of Central Asia **Aug 2020 – Dec 2021**
Full Stack Web Development Intern *Almaty, Kazakhstan*

- Engineered comprehensive and user-centric website from ground up, employing **WordPress** coupled with advanced **JavaScript**, **HTML**, and **CSS** to create dynamic and responsive online presence.
- Spearheaded digitization and integration of an extensive research archive, meticulously cataloging and incorporating 628 unpublished articles from 2015-2020, enhancing accessibility and dissemination of valuable research data.

Projects

OQIGA.AI | oqiga-ai.vercel.app ***Feb 2024***

- Engineered pioneering educational platform using **React.js** for frontend and **Flask** for backend, featuring interactive storytelling with parental voice integration achieved through **IPython** and **Google Colab** with Jupyter Notebook.
- Achieved second place at **MakeHarvard** 2024 hackathon, demonstrating project's innovation and impact in educational technology, and garnering significant interest and acclaim.

MyGapMentor | mygapmentor.vercel.app ***Jun 2023 - Aug 2023***

- Developed MyGapMentor, dynamic **OpenAI API**-powered platform tailored for gap year students, offering bespoke coaching, strategic opportunity identification, and inventive approaches to bolster university application success.
- Garnered recognition and funding for MyGapMentor, debuting it as standout project at nFactorial Incubator 2023, premier A.I.-focused web development boot camp, chosen from over 4500 candidates. Successfully secured over $50,000 in support from **Microsoft for Startups Founders Hub**, propelling project's growth.

GeoTab | shorturl.at/nxSW8 ***Jun 2022 - Aug 2022***

- Designed and launched **Chrome extension** game for geography education. It invites users to identify flags, capitals, and their locations of countries worldwide, effectively blending leisure with enrichment of geographical knowledge.
- Achieved notable accomplishment by securing place within top 4.5% of over 4,000 candidates for nFactorial Incubator 2022, web development boot camp with innovative project development.

N-Body Simulation | github.com/zhandolia/nbody ***Apr 2021***

- Enhanced solar system simulation using **Java**, blending background imagery, studio-quality sound, and prototypical planet models with mathematical precision. Further enhanced by integrating real astronomical data and interactive features, project achieved greater scientific accuracy and user engagement in visualizing orbital mechanics.

Technical Skills

Programming Languages: Python, Java, Swift, JavaScript, TypeScript, HTML/CSS
Framework: React.js, Next.js, Flask, Django, Tailwind CSS, LangChain, SvelteKit
Technologies: Git, Figma, MongoDB, WordPress, Heroku, Vercel, Azure, VS Code, Xcode, Excel
Languages: English (Native), Kazakh (Native), Russian (Native), Kyrgyz (Intermediate), Turkish (Intermediate)