

ZHANDOS BROWN

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Education

Boston University

B.A. in Computer Science, Minor in Business Administration

Sep. 2022 – May 2026

Boston, MA

Experience

80edays

Feb 2023 – Present

Full Stack iOS Development Intern

Holzminden, Germany

- Developed an **iOS** application *ChargeHotels* using **Swift**, facilitating users in locating and booking hotels across Europe equipped with electric vehicle charging stations. Integrated the **Mapbox API** for better user experience.
- Directed the UI design of application using **Figma**, progressing from initial sketches to a polished and visually captivating final design. Conducted a pre-launch UI evaluation, with 92% of test participants endorsing its user-friendliness.

Global Health Research Center of Central Asia

Aug 2020 – Dec 2021

Full Stack Web Development Intern

New York, NY

- Built a website from scratch using **WordPress**, enriched with **JavaScript**, **HTML**, and **CSS** technologies.
- Catalogued and processed unpublished research projects spanning 2015-2020, ensuring seamless adaptation and integration into online platform. The total of number of unpublished archives enriched 376 articles.

Gradcompleks Architectural

Dec 2020 – Mar 2021

3D Design Intern

Almaty, Kazakhstan

- Constructed a detailed 3D representation of the Aksai region in Kazakhstan, encompassing an expansive area of $5600km^2$, derived from satellite imagery and company-provided blueprints.
- Utilized **Autodesk 3Ds Max** software to enhance the model's precision and realism.

Projects

MyGapMentor | *React.js, Flask, OpenAI API*

mygapmentor.vercel.app

- Designed and developed a dynamic platform dedicated to empowering students on gap year through usage of **OpenAI API**. Intuitive solution offers personalized coaching, identifies optimal opportunities, and fosters innovative strategies, all geared towards enhancing potency of university applications.
- Proudly showcased *MyGapMentor* as culminating project at the nFactorial Incubator 2023, a cutting-edge web development bootcamp with an emphasis on A.I. tools. Secured position in this prestigious program from a pool of over 4,500 aspirants, reflecting a highly competitive 2.3% acceptance rate.
- Raised over \$50,000 from **Microsoft for Startups Founders Hub** to further facilitate the project.

GeoTab | *JavaScript, HTML/CSS*

shorturl.at/ipBLO

- Pioneered design and release of an interactive **Chrome extension** game, designed to engage users in identifying flags, capitals, and geographic locations of nations globally. This educational tool aids in reinforcing fundamental geography knowledge during moments of relaxation.
- Distinguished myself by attaining a position in the elite 4.5% of contenders, emerging from a competitive pool of over 4,000 aspirants, for the nFactorial Incubator 2022, a specialized web development bootcamp.

National Data Science Hackathon | *Python, Flask, MongoDB, Django*

- Applied advanced statistical analysis methodologies in **Python** to scrutinize database contents, subsequently producing precise visualizations. Approach culminated in a 17% efficiency gain in data processing duration.
- Engineered a platform capable of autonomously generating diagrams, charts, and various visual representations to conceptualize inputted data sourced from a company's database.
- The innovative platform attracted adoption from thirteen distinct enterprises within a mere half-year span.

NBody | *Java*

github.com/Zhandolia/NBody

- Engineered a sophisticated solar system simulation using **Java**. Simulation seamlessly integrates background imagery, studio-quality sound, and prototypical planet models, all orchestrated through mathematical formulas, to create a captivating visual representation of planets in orbital motion around the sun.

Technical Skills

Programming Languages: Python, Java, Swift, JavaScript, HTML/CSS

Framework: React.js, Node.js, Flask, MongoDB, Django, Tailwind CSS, LangChain, AngularJS

Technologies: Git, Figma, WordPress, Heroku, Vercel, Azure

Languages: English (Fluent), Russian (Native), Kazakh (Native), Turkish (Intermediate), Arabic (Elementary)