Abu Zaid Khan

https://azkhan.me | ak3776@drexel.edu | 267.808.8727

EDUCATION

DREXEL UNIVERSITY
Bachelor of Science
Major: Integrated Studies
Minor: Computer Science, and, Human-Computer Interaction
Class of 2024 | Philadelphia, PA

SKILLS

Languages
- JavaScript(ES6)/ Typescript
- HTML5 • CSS • Python • Java
- C

Frameworks
- React • Node • D3.js • jQuery
- Bootstrap • Vue • Jest
- Angular • PostgreSQL

Dev Tools
- Git • Docker • Firebase • AWS
- WordPress • Pendo
- Google Analytics • Facebook Ads Manager

Design Tools
- Figma • AdobeXD • Sketch
- Illustrator • Photoshop
- After Effects

Managerial Tools
- Salesforce • Trello
- Confluence
- Jira • Trello • Notion
- ZenDesk

Soft Skills
- Creativity • Organization
- Customer service
- Communication • Design knowledge

AWARDS

- 2022 Philly Codefest • 2024 Dragon Hacks • 2024 Drexel CHI UI/UX Design Slam • A.J Drexel Scholarship • Drexel Family Scholarship • Deans List 2019 • Deans List 2024

LINKS

Github:// **Ninja-Abu**
LinkedIn:// **abuzaidkhan**
Portfolio:// azkhan.me

EXPERIENCE

LUCET | Frontend Dev & UI/UX Researcher
September 2021 – April 2022 | Philadelphia, PA
- **Designed and developed interactive dashboards** utilizing ReactJS & D3.js, analyzing over 1 million user journeys boosting user engagement by 20%.
- Conducted **user research and usability testing** to inform decisions and iterate design, achieving a **90% adoption rate** for **18,000+ users.**
- **Redesigned user-centric onbarding guides** with Figma, JavaScript & CSS, improving user experience and **increasing onboarding efficiency by 42%.**

LUCET | Frontend Dev - Customer Success
September 2020 – April 2021 | Philadelphia, PA
- **Engineered 20+ data abstraction tools** using PostgreSQl, D3.js, and React enabling trend analysis and enhancing customer retention strategies.
- Ensured adherence to **user-centered design principles** and **accessibility best practices** utilising Jest, leading to a **20% decrease** in reported user issues.
- Designed user onboarding modules with Figma **storyboards and prototypes,** collaborating with cross-functional teams for creative solutions.

VAC MOTORSPORT | Web Developer & Marketing Intern
September 2019 – April 2020 | Philadelphia, PA
- Implemented strategic **SEO techniques** in HTML and JavaScript **boosting website traffic** by 60%.
- Automated Google Analytics reporting with Python, slashing **daily analysis time from 1 hour to seconds.** Improved efficiency for the sales team.
- Integrated Inuit QuickBooks and Nexternal e-Commerce on ReactJS, **reducing weekly accounting time by over 15 hours.**

PROJECTS

HYGIA | Philly Codefest 2022 Winner
April 2022 | Philadelphia, PA
- **Developed a React Native based app** for recovering opioid addiction patients and **utilised Firebase, Fast-API, Docker, and PostgreSQL** for seamless deployment and robust back-end functionality.
- Implemented research findings with healthcare claims from commercial insurance provider to **develop Substance Overuse Risk Score using an elastic net regression model with 81% correctness.**

DIGITAL PATHOLOGY | Sinusitis Severity Classification
September 2022 - March 2023 | Philadelphia, PA
- Developed a web app utilizing ElectronJS and React for pathologists, researchers, and developers to the classify sinusitis based on whole slide image inputs.
- Integrated real-time verification and advanced image processing (Felzenszwalb, Quickshift, SLIC) into the frontend, enhancing CNN precision for accurate sinusitis classification.

HUMMINGBIRD | DragonHacks 2024 WINNER
April 2024 | Philadelphia, PA
- Developed a React app for pedestrian and public safety to pair with **autonomous drones for surveillance**. Implemented drone controls, flight path visualizations, and emergency response options **using WebSockets for real-time communication.**
- Engineered autonomous drone navigation with TensorFlow and OpenCV, utilizing AI-driven object detection and pathfinding algorithms to ensure accurate and efficient navigation to the user.