

Bo Xie

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EDUCATION

Carnegie Mellon University Pittsburgh, PA
B.S. Information Systems; B.S. Artificial Intelligence Expected May 2027
Relevant Coursework: Data Structures & Algorithms; App Design & Development; Data Visualization; Introduction to ML

SKILLS

Core Skills: Full-stack Web and IOS Development; Agile Methodologies; Data Analysis & Visualization
Technical Skills: Advanced in Python, Javascript, SQL, Ruby on Rails, R, Git & Github; Proficient in Swift, C, Java

WORK EXPERIENCE

Software Development Intern Pittsburgh, PA
Conduit (venture-backed human resources startup) May 2024 – August 2024

- Designed and coded mobile interfaces for web-app using React and TypeScript, increasing user traffic by 60% during pilot
- Built mid-fi and hi-fi wireframe prototypes for gamification and journaling features in Figma
- Led 3 scrum meetings per week, managed Agile sprints, and conducted bi-weekly QA testing, resolving 10+ tickets per cycle

Research Assistant Pittsburgh, PA
Downs Lab (Decision Science Lab CMU) Jan 2024 – May 2024

- Processed and analyzed 3000+ data points in R, developing a Tableau dashboard to track sex-ed trends (1994-2010)
- Built 2 surveys using Qualtrics, collected and cleaned 1000+ data points on mechanics of recursive decision-making

RELEVANT PROJECTS

PokerAI Competition Software | Remix, Cloud, Python, Docker Mar 2024 - Ongoing

- Develop web-app for intercollegiate AI poker bot competition using full-stack Remix framework hosted on AWS
- Enabled 200+ teams to authenticate, create profiles, manage teams, submit through automated github actions, request and accept matches, and view match live streams

Casava Startup/Project | React, Python, PostgreSQL, Figma Dec 2024 - Ongoing

- Design and develop web-app for subleasing for college students using React frontend, Flask backend, FastApi and a PostgreSQL relational database
- Reduce time spent looking for subleases by 30%, facilitating trust by verifying both house owners and potential tenants

Vibescape Social App | Swift, SQL Dec 2024 - Ongoing

- Lead development for IOS native application with texting, geolocation, and journaling features, special focus on UI/UX
- Integrate NLP models to quantify friendship dynamics and analyze college experiences

NodeBB Open Source Contribution | Bootstrap, Redis, Agile Jan 2025 - Ongoing

- Developed anonymous posting functionality for NodeBB, collaborating in an Agile team to navigate a large codebase

Websites | HTML, CSS, JavaScript, Astro Dec 2023 - Ongoing

- Create and maintain personal portfolio website, Tongxin Youth Charity website, and Data Science Club website

LEADERSHIP

Data Science Club Pittsburgh, PA
Vice President Jan 2025 – Present

- Teach data science workshops, host guest speaker events, plan datathons and AI poker bot competitions, oversee AI/ML projects to support our club of over 1100 members, managing \$20K+ in annual sponsorships
- Facilitate weekly executive board meetings, working with competitions, finance, and design committees to ensure operations

Residence Assistant Pittsburgh, PA
First-year Dormitory RA Aug 2024 – Present

- Foster community and enforce standards for 31 college freshmen by planning events and having 1 on 1 interactions

Tongxin Youth Charity Tianjin & Qinghai-Tibet, China
Founder and Legal Representative June 2020 – Present

- Established non-profit organization to address poverty, ocular disease, and environmental protection in Qinghai-Tibet
- Raised & donated (equivalent of) \$100K+ through charity concerts, tennis tournaments, and walkathons
- Coordinate and oversee 5 sub-branches of the charity based in Tianjin, Beijing, Qinghai, Qingdao, and Melbourne