Winnie Zhang

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EDUCATION

Georgia Institute of Technology Atlanta, GA
B.S. in Computer Science — GPA: 3.95 *August 2022 – December 2025*
- Relevant Coursework: Machine Learning, Artificial Intelligence, Computer Vision, Design and Analysis of Algorithms, Data Structures and Algorithms, Computer Organization, Object-Oriented Programming

EXPERIENCE

Software Engineering Intern June 2025 – August 2025
U.S. Bank *Atlanta, GA*
- Work on improving IVR call center efficiency by identifying bottlenecks in customer verification processes
- Remediate security vulnerabilities in authentication and identification API flows, strengthening system integrity and reducing risk exposure
- Contribute to internal documentation and drive actionable improvements in the authentication workflow

Research Information Technology Intern August 2024 – February 2025
Federal Reserve Bank of Atlanta *Atlanta, GA*
- Develop onboarding application and automated workflow that simplifies internal processes within the HR department affecting 1.5K+ employees.
- Work alongside technology leads in resolving tickets across several departments.
- Serve as support IT team member that oversees 500+ technology assets within the bank.

UX Design and Software Development Intern May 2023 – October 2023
Matmerize *Atlanta, GA*
- Worked directly with the CEO and CTO to plan and develop the company's rebranding campaign.
- Independently designed, developed, tested, and deployed new dynamic website feature seen by 1000+ users.
- Improved company's pitch deck design, resulting in increased client engagement.

LEADERSHIP

Product Manager January 2025 – Present
Hack4Impact - Georgia Tech Bits of Good *Atlanta, GA*
- Lead cross-functional teams of designers, developers, to develop impactful digital products for nonprofit clients, ensuring alignment with organizational goals and user needs.
- Facilitate agile development processes through sprint planning/ticket creation, ticket review, and sprint retrospectives, fostering collaboration and maintaining clear communication across all team members.

Product Designer August 2023 – December 2024
Hack4Impact - Georgia Tech Bits of Good *Atlanta, GA*
- Crafted client-facing designs prioritizing efficient user experience and clean UI for numerous projects including a scheduling application serving 50k+ Georgia Tech students and a foster dog application serving 800+ volunteers.
- Collaborated alongside a cross-functional team of developers, product managers, and engineering managers to align design requirements with client needs using Agile methodologies.

PROJECTS

Shopping Recommendation Engine | *Python, Flask, React, pandas, NumPy* May 2025 – Present
- Building a personalized shopping recommendation platform using React and Python, featuring content-based filtering based on user preferences and an intuitive user-centric interface for intelligent product discovery.

Credit Card Fraud Detection | *Python, pandas, NumPy* August 2024 – December 2024
winniezhangg.github.io/ML-credit-card-fraud-detection/
- Contributed in building machine learning models (Logistic Regression, KNN, Decision Tree) to detect fraudulent credit card transactions, achieving up to 99.9% accuracy.

TECHNICAL SKILLS

Languages: Python, Java, C, JavaScript, HTML/CSS
Frameworks: React, Flask, Node.js, NextJS, Express, NumPy, Pandas, TensorFlow
Developer Tools: Git, Docker, Firebase, Vercel, Microsoft Power Platform, Android Studio, Figma
Skills: Full-Stack Development, Agile, Prototyping, Wireframing, UI/UX Design
Interests: Software Engineering, Product Design, Frontend Development, AI/ML, HCI, Hiking