EDWARD YI

New York, NY ⋄ 408-890-9117 ⋄ edward.dt.yi@gmail.com ⋄ Portfolio ⋄ Linkedin

Human-centered designer specializing in UI/UX, user research, prototyping, and accessibility, with experience in front-end development and data visualization. Experienced in translating complex research insights into intuitive, measurable design solutions that improve user experience and support cross-functional collaboration. Strong background in technical systems and user support through roles in professional environments including the FBI, NAVWAR, and USMC.

SKILLS & INTERESTS

Design & Research	User-Centered Design Thinking, Human-Centered Design Process, Wireframing, Rapid Prototyping, User Research (Contextual Inquiry, Interviews, Surveys), Storyboarding, Affinity Diagramming, Usability Testing, Journey Mapping, Personas, Accessibility Standards, Interaction Design, Design Systems, Cross-Functional Collaboration, Storytelling through Design, Information Architecture
Technical Tools	Figma, Balsamiq, Miro, Tableau, Google Workspace (Gmail, Drive, Docs, Colab), Microsoft Office 365 suite (Outlook, Word, Excel, Powerpoint), Adobe Creative Suite, Slack, Social Media Platforms
Program Languages	HTML, CSS, JavaScript (React, D3), Python (Flask), C++, C, Java, LaTeX
Languages	Advanced: [Japanese], Intermediate: [Korean]
Certifications	Lean Six Sigma Green Belt Training (NMPDC), Telecommunications Officer (USMC)
Interests	Body Health Sustainability, Tea Steeping, Reading JP Light Novels, Hiking, Free Writing

PROJECTS

Michitop January 2025 - May 2025

· Human-Computer Interaction (HCI): Conducted a **human-computer interactive study** (n=13/21) on desktop companions, analyzing users' response between interactive and aesthetic engagement modes
· Designed and deployed **two interactive prototypes**, collecting **pre- and post-study survey data** to measure user preferences and usability
· Found **70% preference for companion mode** engagement frequency and **60% preference for aesthetic mode** in reducing attention burden, yielding insights on balancing usability and satisfaction
· Translated research outcomes into **design recommendations for user engagement and cognitive load management**

CU Eats September 2024 - December 2024

· User Interface/User Experience (UI/UX) Design: Applied **user-centered design thinking** to improve Columbia dining experiences, **conducting 15+ contextual inquiry interviews** to uncover pain points in menu visibility and dish reviews
· Synthesized finding into **personas, journey maps, and affinity diagrams** to highlight emotional highs/lows and friction points
· Designed and tested **3+ iterations of responsive Figma prototypes**, refining layouts and interactions through iterative **usability testing**
· Built and deployed a functional platform using **HTML, CSS, JavaScript**, integrating a searchable review database for student feedback
· Achieved a **40% faster option discovery** and **25% increase in reviews**, demonstrating measurable effectiveness of the **user-centered design process** and impact of design interventions

WORK EXPERIENCE

Federal Bureau of Investigation (FBI) New York, NY
FBI NY Cyber Branch | Student Workforce Trainee *June 2025 - August 2025*

· Enhanced **User Interface (UI) design and information architecture** of the Computer Analysis and Response Team's Resource Wiki Database, streamlining navigation, search, and data accessibility, ultimately **reducing time spent locating resources and streamlining team operations**
· Programmed a **Network Anomaly Detection Machine Learning model** utilizing the Random Forest algorithm to seamlessly **process and identify malicious network traffic** resulting in **99.99% accurate and highly reliable predictions**

EDUCATION

Columbia University *New York, NY*
B.A. Computer Science | Minor: East Asian Studies *Expected December 2025*
Relevant Coursework: User Interface Design | Human-Computer Interaction | Data Visualization *Cumulative GPA: 3.63*

OTHER WORK EXPERIENCE

Naval Information Warfare Systems Command (NAVWAR) San Diego, CA
Cybersecurity Information Assurance and User Account Manager | Intern *December 2021 - June 2022*

United States Marine Corps (USMC) San Diego, CA
Ground Transmissions Systems Maintainer | Operations Supervisor *March 2020 - June 2022*

United States Marine Corps (USMC) Okinawa, JP
Ground Transmissions Systems Maintainer | Operations Supervisor *March 2018 – March 2020*

United States Marine Corps (USMC) Okinawa, JP
Help Desk Operations Manager | Network Systems Administrator *March 2018 – March 2020*

CompTechS (Computer Technical Support) Cupertino, CA
Technical Assistant I *April 2016 – June 2016*