

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.

PROJECTS

Michitop

January 2025 - May 2025

- Conducted a 21-participant **human-computer interactive study** on desktop companions, increasing insight into human-computer engagement behavior by comparing interactive versus aesthetic modes through structured user testing
- Designed and deployed **two interactive prototypes**, improving measurement of usability preferences by collecting and analyzing **pre- and post-study survey data**
- Identified a **70% preference for companion mode** engagement and a **60% preference for aesthetic mode** in reducing attention burden by evaluating behavioral and attitudinal study results used to optimize the balance between usability and satisfaction
- Translated research findings into actionable **design recommendations that improve user engagement and cognitive-load balance** by synthesizing qualitative and quantitative data

CU Eats

September 2024 - December 2024

- Conducted **15+ contextual inquiry interviews**, identifying menu-visibility and dish-review pain points to direct UX priorities for data-driven and well-informed **user-centered redesigns**
- Synthesized research insights into **personas, journey maps, and affinity diagrams**, aligning emotional highs/lows and user expectations across design touchpoints
- Designed and iterated on **3+ responsive Figma prototypes**, increasing usability by refining layouts and interaction through structured feedback loops and iterative **usability testing**
- Developed and deployed a full-stack dining-review platform using **HTML, CSS, JavaScript**, enhancing users' access to dining insights by integrating a searchable review database
- Improved menu-option discovery speed by 40%** and **increased user review activity by 25%** through targeted UX interventions and interaction refinements

WORK EXPERIENCE

U.S. Department of Justice

New York, NY

FBI NY Cyber Branch | Student Workforce Trainee

June 2025 - August 2025

- Redesigned the **User Interface (UI) and information architecture** of the Computer Analysis and Response Team's Resource Wiki Database, **reducing resource-lookup time and enhancing team operational efficiency** by streamlining navigation, search pathways, and data accessibility
- 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**

SKILLS & INTERESTS

Design & Research

User-Centered Design, Responsive Web Design, Usability Testing, Information Architecture, Wireframing, (Rapid/Low-Fidelity/High-Fidelity) Prototyping, Storyboarding, Journey Mapping, Personas, WCAG Standards, User Research (Contextual Inquiry, Interviews, Surveys), Interaction/Animation Design, Visual & Brand Design, Affinity Diagramming, Storytelling through Design, Accessible & Inclusive Design, Data-Driven Creativity, Cross-Functional Collaboration

Technical Tools

Figma, Balsamiq, Miro, Tableau, Google Workspace (Gmail, Drive, Docs, Colab), Microsoft Office 365 suite (Outlook, Word, Excel, Powerpoint), Adobe Creative Suite, Slack, GitHub, 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

EDUCATION

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

OTHER WORK EXPERIENCE

Naval Information Warfare Systems Command (NAVWAR)	<i>San Diego, CA</i>
<i>Cybersecurity Information Assurance and User Account Manager Intern</i>	<i>December 2021 - June 2022</i>
United States Marine Corps (USMC)	<i>San Diego, CA</i>
<i>Ground Transmissions Systems Maintainer Operations Supervisor</i>	<i>March 2020 - June 2022</i>
United States Marine Corps (USMC)	<i>Okinawa, JP</i>
<i>Ground Transmissions Systems Maintainer Operations Supervisor</i>	<i>March 2018 – March 2020</i>
United States Marine Corps (USMC)	<i>Okinawa, JP</i>
<i>Help Desk Operations Manager Network Systems Administrator</i>	<i>March 2018 – March 2020</i>
CompTechS (Computer Technical Support)	<i>Cupertino, CA</i>
<i>Technical Assistant I</i>	<i>April 2016 – June 2016</i>