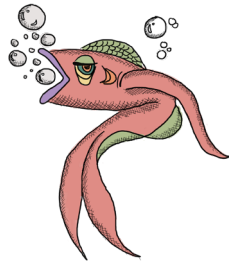# JENNIFER ETSUKO HIGA

Product Designer

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SKILLS

Technical
- Python
- Java
- SQL
- Appian SAIL
- Unity 3D (basic)

Design
- Figma
- Adobe CC
- Sketch

Management
- Agile
- Jira
- Miro

Languages
- English
- Japanese
- Spanish

RELEVANT COURSEWORK

- Interaction Design
- Accessibility and Assisitive Tech
- User Centred Data Visualisation
- Human Factors for Digital Health
- Perceptions and Interfaces (Python)
- Networks of Markets + Social Systems (Java)
- Programming Languages & Techniques I
- 3D Computer Modeling and Structures

INTERESTS

- Accessibility
- Cognitive neuroscience
- Shredding the gnar
- Fermentation
- Acrylic painting
- Yoga (YTT 200HR)
- Urban running crews + running

EDUCATION

University College London
MSc in Human-Computer Interaction

Thesis: "Evaluating Impact of Contour Style, Highlight Style, and Overlay Interaction of Augmented Reality Visualisations for Endoscopic Transsphenoidal Surgery"

September 2023
Class: **Distinction**

University of Pennsylvania
BA in Cognitive Science
Minors in Digital Design and Consumer Psychology

May 2020
GPA: **3.87**/4.00

WORK EXPERIENCE

Wellcome / EPSRC Centre for Interventional & Surgical Sciences
AI for Medical AR Product Design Intern

May 2023 - Jan 2024
London, UK

- Built an interactive AR prototype in Unity 3D and C# for endoscopic transnasal surgery
- Conducted user test for AR design factors with ETS neurosurgeons to create guidelines
- Exploring pitfalls of foundation AI models (Grounding DINO + SAM) to evaluate for improved design in robotic surgery use cases
- Built an AI testbed using Python transformation libraries
- Paper submitted to IPCAI 2024 for publication in IJCARS [in progress]

Appian
Technical Consultant

Sep 2020 - July 2022
Washington, DC

- Founded Appian's Customer Success department's 'UX Accessibility Sub Guild', providing Appian developers with tools to design more accessible & WCAG compliant apps
- Led UX initiatives for acquisitions application for CDC project (UX Lead)
- Led team of 6 members on QA efforts for an API integration with the US government's Unified Financial Management System (UFMS) for project with the CDC
- Managed team to mitigate risk of project extension by 3 weeks

Hands On Tokyo NPO
Product Designer

Aug 2019 - Aug 2020
New York, NY

- Designed mock-ups for web design using Adobe Creative Cloud (**site live**)
- Informed UI/UX decisions with disability and accessibility design concepts
- Created animations and OOPEN food truck initiative video to show at annual conference
- Reported to Japan team at weekly meetings (in Japanese)

MatchaBar
Digital Strategy Intern

July 2019 - August 2019
New York, NY

- Implemented growth marketing strategies, generating new reach of ~2 million customers; 200+ sales conversions achieved, assisted in production of Amazon summer campaign

VOLUNTEER + LEADERSHIP

- MSc in HCI Industry Speaker Seminar Student Host — London, UK
- Robotics Coach, Columbia Heights Educational Campus — Washington, DC
- Clinic Lead & Youth Mentor, Dreams for Kids DC— Washington, DC
- Digital & Web Committee, LIVES Project — Tokyo, Japan

PROJECTS

COLLISION
Co-Founder

Dec 2016 - Dec 2020
Tokyo, Japan

- Founded a cross-cultural music event that aims to bridge the US and Japan
- Designed posters, artist tiles, and other design assets
- Held four COLLISION events: NY, Miami, and Tokyo (2x)