Angela Yang

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EDUCATION

University of Washington — Seattle, WA
Bachelor of Science in Computer Science | Interdisciplinary Honors | GPA: 4.0/4.0 — *Expected June 2029*
Relevant Coursework: Data Structures and Algorithms, Linear Algebra, System and Software Tools

SKILLS

Languages: Python, Java, C, C++, JavaScript/TypeScript, HTML, CSS
Frameworks and Libraries: React, React Native, Next.js, Node.js, Express.js, Tailwind CSS, FastAPI
Databases and Tools: Git, Linux, PostgreSQL, Google Colab, Figma, Canva, Procreate

EXPERIENCE

Undergrad Researcher — Sept 2025 – Present
Supervised by Jiafei Duan — *Seattle, WA*
- Assembled and programmed a UFactory Lite 6 robotic arm, achieving ±1 mm precision for drawing tasks
- Built a hands-free art system using eye-tracking, enabling users with limited mobility to create artwork
- Translated 2D gaze coordinates to 6-axis robotic motion with computer vision, reinforced with ML, reaching 90%+ real-time accuracy

Lead Teacher's Assistant — June 2021 – Sept 2024
CS Wonders LLC — *Redmond, WA*
- Designed and led Python and Java lab sessions for groups of 20+ middle and high school students
- Revamped company website and incentive system, increasing student outreach by 2,000+ users
- Trained and managed 15+ TAs, improving lesson quality and delivery consistency across 12+ courses

PROJECTS

Buildspace Website ⬈ | *CSEED Design Engineer* — Sept 2025-Present
- Created a new website using React and Next.js to showcase past projects and represent CSEED as a club
- Collaborated with a 4-person design team in Figma to deliver cohesive designs for a community of 800+ members
- Enhanced design strategy by creating social media graphics, banners, stickers, and personalized name tags for buildspace members

Paint-A-Hike ⬈ | *DubHacks 2025* — Oct 2025
- Developed a web app that transforms user sketches into real-world locations using ML-based image matching
- Engineered a backend integrating Segformer and CLIP models for semantic segmentation, IOU-based similarity ranking, and Gemini-assisted tagging
- Implemented dynamic UI with parallax and Framer Motion animations using Next.js, React, and TailwindCSS

1st Place - AQH Health ⬈ | *EMP Hackfest* — Aug 2023
- Designed and implemented an app to track AQI levels and personalize health advice through the OpenAI API
- Developed the frontend and UI with JavaScript, HTML, and CSS to create a responsive user experience
- Collaborated with a 4-person team by managing version control in Git and coordinating design workflows in Figma

LEADERSHIP

Future Scholar Foundation | *VP of Design* — Sept 2022 – Aug 2025
- Designed promotional materials and website designs that engaged 10,400+ students and encouraged 6700+ submissions
- Illustrated 32 digital artworks for a published short story compilation book of competition winner

Redmond Code Association | *Design Lead* — June 2022 – Aug 2025
- Led the design strategy for social media graphics, banners, flyers, event branding, and merchandise
- Directed visual campaigns that contributed to reaching 6,500+ students across 32+ events, and the collection of 4,300+ pounds of e-waste through sustainability drives