

# Valerie Yen

Fairfax, VA 22031 | Mobile: (336) 493-2868 | Email: [valmyen@icloud.com](mailto:valmyen@icloud.com)  
[www.linkedin.com/in/valmyen](https://www.linkedin.com/in/valmyen) | <https://github.com/valerieYen> | <https://vizzzy.com/@valmyen>

---

## Education

**University of Maryland College Park** — *College Park, MD* Expected May 2026

Bachelor of Science, Immersive Media Design & Information Science (GPA: 3.49)

- ★ **Relevant Coursework:** Object Oriented Prog. I/II, Computer Systems, Organization of Computer Languages, Algorithms, Introduction to Web Design, Computational Media and Virtual Reality, Design Processes

**CodePath Full Stack Development Course** — *San Francisco, CA (Remote)* November 2024

- ★ **Relevant Skills:** React, Data Visualization, Conditional Rendering, UI/UX Design
- 

## Experience

**BreakThrough Tech, Lead Program Assistant** — *College Park, MD* February 2023 - Present

- ★ Drive BTT and Iribe Diversity Initiative outreach efforts via content production and social media management
- ★ Lead computing and professional development workshops with an emphasis on technical development in Java, Javascript, and Python, collectively providing 600+ new undergrad students with valuable exposure to coding
- ★ Cultivate a welcoming tech community at UMD by hosting networking opportunities, providing career advancement resources, advice, and fostering inter-student connections

**Ticketmaster, Microflex Software Engineer Intern** — *Reston, VA* May 2023 - August 2023

- ★ Restructured a Microflex database monitoring tool for cross-device compatibility in TypeScript using responsive design principles, enhancing usability for engineers working in hybrid environments
  - ★ Utilized Grafana to visualize database metrics from PromQL queries for client reference of 400+ databases
  - ★ Implemented a functioning Slackbot prototype to automate database troubleshooting procedures for developers
- 

## Projects

**PartyPrep** (<https://partyprep-gc2l.onrender.com/>) — *Node, Express.js, MongoDB, Spotify API*

- ★ Built a website using Node.js/Express that enables users to build playlists through a swipe interface, integrating Spotify's API for song discovery and metadata retrieval
- ★ Implemented a user authentication system using MongoDB database schema to manage user playlists and data
- ★ Designed an interface with high-contrast design, visual hierarchy, and intuitive layout for optimal user accessibility and ease of usage

**BTT Site Automation** (<https://github.com/valerieYen/btt-site-automations>) — *HTML, CSS, Javascript, Sheety API*

- ★ Created an embed for Breakthrough Tech's 2025 Career Launch website to automate creation of student display card to decrease manual labor
- ★ Wrote documentation to clearly define implementation steps for future employees to ensure ease of use
- ★ Utilized Sheety API to read student information in from Google Sheets into a JSON that can be processed to generate display cards through DOM manipulation

**Palettones** — *Unity, C#*

- ★ Engineered an audio-reactive 3D visualizer using Unity's Particle System and Keijirō Takahashi's LASP plugin to create interactive soundscapes
  - ★ Mapped frequency band analysis (low, mid, and high pass filters) directly to RGB color values for adaptive visuals
  - ★ Integrated sophisticated lighting mechanics via Universal Render Pipeline (URP) configurations to achieve retro synthesizer aesthetics inspired by vintage Apple products
- 

## Extracurriculars/Community Involvement

**Kappa Theta Pi, Professional Development Director** — *College Park, MD* May 2023 - Current

- ★ Organize personal website workshops, resume reviews, and industry networking for 80+ active members
  - ★ Coordinate with recruiters from Ticketmaster, Accenture, and Deloitte to plan networking opportunities
- 

## Technical Skills

**Languages/Frameworks:** HTML, CSS, JavaScript, React.js, Express.js, TypeScript, Java, Python, C#, C

**Applications/DevTools:** VSCode, Git/Github, Gitlab, Vite, Unity, MongoDB, Supabase, Render, Adobe Suite