# Tu-An Nguyen

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## Summary

Recent University of California, Santa Cruz Computer Science graduate with a strong foundation in full-stack web development. Over 7 years of design experience, blending technical proficiency with creative expertise. Skilled in Javascript, Python, React.js, Figma, and Adobe Suite. Proven success in enhancing website aesthetics, user interfaces, and marketing materials.

## Experience

**Analyst/Programmer**                                                          Nov. 2019 – Jun. 2023
*UC Santa Cruz Genomics Institute*                                          *Santa Cruz, CA, USA*
- Develop, design, and maintain the library website with Modern Campus CMS and Microsoft IIS.
- Independently and collaboratively develop fully integrated applications, databases, networks, and related systems in overall support of the Pollak library's technical infrastructure.
- Created a dynamically-updated book carousel and real-time library occupancy (by floor) web application.
- Administer and maintain all library servers run in-house, contracted out to IT, or hosted with vendors.

**Web/Graphics Specialist**                                                     Nov. 2019 – Jun. 2023
*UC Santa Cruz Genomics Institute*                                          *Santa Cruz, CA, USA*
- Designed and maintained 8+ websites using HTML/CSS, Javascript, and WordPress, enhancing reach by 15%.
- Crafted hundreds of promotional materials tailored for academic audiences, using the Adobe suite and Canva.
- Strategically scheduled social media content, fostering engagement and awareness among 9000+ followers.

**User Interface & Experience Intern**                                          Oct. 2022 – Dec. 2022
*ACTIBrain Bio*                                                                 *Seoul, KOR*
- Designed and presented the user interface and experience of a "Braincare" program using Figma and Canva.
- Prototyped a modular AR game interface with 10+ hours of content that incorporates meditative exercise aimed at adults to prevent neurological diseases.
- Collaborated with stakeholders to incorporate feedback and iterate on user-friendly design solutions.

## Technical Skills

**Programming Languages**: Java, Python, C/C++, SQL, JavaScript, HTML/CSS
**Developer Frameworks/Tools**: React.js, Vue.js, Tailwind, Bulma, Bootstrap, Git, Google Cloud Platform, WordPress, Unix
**Design Tools**: Adobe Illustrator & Photoshop, Figma

## Education

**University of California, Santa Cruz**                                        Sep. 2019 – Jun. 2023
*Bachelor of Science in Computer Science*                                    *Santa Cruz, CA, USA*
- Relevant Coursework: User Experience, Web Applications, Artificial Intelligence, Database Systems, Computer Architecture, Data Structures and Algorithms

## Projects

**Genrefy** | *TailwindCSS, ReactJS* | github.com/genrefy                       2023
- Front-end web application for searching songs' genres through the Spotify Web API.
- Built a reactive Spotify song search component using ReactJS and designed using TailwindCSS.
- Calls the Spotify Web API with the Axios HTTP library to fetch song and artist data. Computed and visually designed collected data.

**Collaborative Planner** | *HTML/CSS, Python, Bulma, Vue.js* | github.com/collaborative-planner    2023
- Full-stack web application for collaborative task management with multiple calendar views.
- Implemented a majority of the database structure with py4web and front-end reactive elements with Vue.js.
- Led a team of four developers, effectively managing tasks and ensuring project completion.

**Troy High School Virtual Tour** | *HTML/CSS, Javascript* | github.com/ths-virtual-tour    2018
- Virtual campus tour of Troy High School with an emphasis on their Troy Tech program.
- Constructed a responsive tour interface using HTML/CSS and vanilla Javascript.
- Led a team of three developers in project completion.