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they/she

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## Objective

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Creative Developer with a diverse range of experiences in Web Development, Education, Virtual Reality, Artificial Intelligence, and Web3. Passionate for building technology for accessibility, music, and queer & neurodivergent representation.

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## Professional Experience

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### **2018-Current**      **Freelance Websites & Digital Media, Junebug Codes**

Self-Employed Front-End Development, E-Commerce, UI/UX, Wordpress Migration, Videography, SVG Animation, and Sound Design under self-employment for small businesses and artists.

### **2022**      **Creative Technologist, Pearlfisher**

Developed and deployed a custom Headless Shopify storefront using Hydrogen React, Oxygen, Sanity CMS, Tailwind, Typescript, and Figma with product interaction designs using CSS/SVG filters.

### **2019-2021**      **Immersive Media Support Specialist, NC State University**

Production of immersive media and web applications for the enrichment of college-level classrooms, including VR Video, Ambisonics, VR Technology Research, a map-based online viewer, 3D molecule visualisations with Three.js, and Photogrammetry Research.

### **2016-2017**      **iBionics Research Assistant, NC State University**

Animal-Computer Interaction Research and Digital Signal Processing in MATLAB

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## Technical Skills

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### **Web Development**

Web Frameworks - React, Vue, Svelte, Next.js, Typescript, Vite

Styling & Animation - Tailwind, GreenSock, D3, Figma, GLSL Shaders

Backend & Deployment - Node, Docker, MongoDB, SQL, Wordpress

### **3D/AI/Media**

3D - P5.js, Three.js, OpenFrameworks, Blender

Media - Photoshop/Illustrator/Premiere

Data Science - PyTorch

Pandas/Numpy/Matplotlib

### **Audio/Digital Signal Processing**

Audio Synthesis - SuperCollider, MaxMSP, Tidalcycles

DSP/GUI - C++ (JUICE, Maximilian, Bela), MATLAB

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## Academics

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### **Goldsmiths, University of London - Computational Arts MA**

Grade - Distinction

President, Hacksmiths Tech Society

### **North Carolina State University - Electrical Engineering B.S., Arts Studies B.A.**

Grade - 3.75 GPA Magna Cum Laude

President, The Creative Coding Collective