

Austen Cabret

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SKILLS

Web: • Next • React • TypeScript • JavaScript • CSS3 • HTML5 • Three • Framer-motion • Azure • AWS
• Node • Webpack • SQL • Python • C++ • Cmake • Django • PyTorch • Matplotlib • Linux • Postman
Other: • Data structures • algorithms • Git • Github • Z shell • Figma • Agile • Unreal Engine

EDUCATION

Massachusetts Institute of Technology: OpenCourseWare Online
Computer Science + Engineering *Jul 2022 – Jul 2023*
algoexpert.io/frontend Certificate *Completion: Oct 2023*
Self-taught *2017+*
Florida International University Miami, FL
Master of Landscape Architecture *Graduation: May 2020*
Organizations/Awards: INIT FIU, APX (**mentored 100 students**), Dean's List

PROJECTS

Full Stack Django + React Web Application generlate.com Jul 2023 – Dec 2023
• Designed UI in Figma. programmed with Typescript, React, Next, StyleX, Three + Framer-motion.
• Defined PostgreSQL database schemas, Django APIs, CRUD operations + authentication.
Text to 3D Generator github.com/Generlate/model_generator_c_plus_plus Aug 2024 - Present
• Invented a Neural network that learns to produce unique meshes from a training set.
• Coded in Python and C++. Implemented a Nvidia Omniverse extension for visualization.
Resume Website austencabret.com May 2023 - Jun 2023
• Created an animated portfolio using Typescript, Three + Unreal Engine.
• Promoted myself, acquiring **200+ visitors**.
LLM Fine-Tune [Building Code Consultant](#) May 2023 - Jun 2023
• Trained OpenAI's Davinci model on a municipality's building code, cutting time off of architect research.
• Enabled 70% accuracy answering relevant questions, competed in the **Shellhacks** Hackathon.

EXPERIENCE

Software Engineer / YouTuber / Founder [Generlate](#) Jul 2020 – Oct 2024
• Engineered web, ML algorithms and 3D to bring a new SaaS to the AEC market.
• Edited videos with Davinci Resolve (top performing got **132k views**), educating and growing the brand.
Web Developer [Ace Power Parts](#) May 2023 – Jun 2024
• Built Wordpress/Javascript e-comm features, enabling **\$60k monthly reoccurring revenue**.
• Maintained a BigCommerce database of **1500+ SKUs**.
Designer [Insite Studio](#) Nov 2021 – Jan 2023
• Led strategic upgrades for an architecture firm. Optimized asset library and upgraded software infrastructure, **improving productivity by 3x** and **reducing operating expense by \$11,000/month**.
• By doing **hundreds of AutoCAD drawings**, 80+ meetings, 50+ Lumion renders, 20+ sketches + 8 models, satisfied customers, persuading at least **50 clients** to continue using the firm's services.