Austen Cabret

austencabret.com | austencabret@gmail.com | linkedin.com/in/austen-cabret | github.com/Generlate

EDUCATION

Massachusetts Institute of Technology: OpenCourseWare   Online
Computer Science + Engineering   *Jul 2022 – Jul 2023*
- algoexpert.io/frontend Certificate (36 code questions)   *Completion: Oct 2023*

Florida International University   Miami, FL
Masters in Landscape Architecture   *Graduation: May 2020*
Organizations/Awards: INIT FIU, APX: **mentored 100 students**, Dean's List

SKILLS

Front end: Javascript, TypeScript, HTML5, CSS3, React.js, Next.js, StyleX.js, Three.js, Framer-motion.js, Webpack, web hosts + DevTools
Back end: Node.js, SQL, Python + C++, Django, Pytorch, Matplotlib, authentication, Linux + PostMan
Other: Git, Github, npm, Z shell, Figma, Agile, Davinci Resolve, Unreal Engine + Grasshopper 3D

PROJECTS

Full Stack Django + React Web Application *generlate.com*   Jul 2023 - Present
• Improved designer productivity, potentially saving tens of hours and **thousands** of dollars per project, by coding a user authenticated, text to object generator.
• Designed UI using Figma. Built with Typescript, React.js, Next.js, StyleX.js, Three.js + Framer-motion.js
• Defined PostgreSQL database schemas, Django APIs, CRUD operations and a Pytorch neural network.
• Built an Omniverse extension, a 3D software for desktop, by Nvidia

Front End Typescript Website *austencabret.com*   May 2023 - Jun 2023
• Promoted myself, acquiring **200+ visitors**, by building an animated Three.js + Unreal Engine portfolio.

Full Stack Flask Website *Covid Data Visualizer*   Sep 2021
• Provided health information, by doing UI design and building a HTML5/CSS3 front end.
• To compete in **ShellHacks** Hackathon, collaborated on a **team of four**, communicating with Discord.

LLM Fine-Tune *Building Code Consultant*   May 2023 - Jun 2023
• Enhanced architect efficiency, cutting days off of code research, by training OpenAI's Davinci model on a municipality's building code, enabling it to answer relevant questions and bypass manual lookup.

EXPERIENCE

Designer *Insite Studio*   Nov 2021 – Jan 2023
• Modernized an architecture firm's tech infrastructure and understanding, resulting in massive performance gains, by advising on the design process. Improvements included digitization of workflows, progressing to more capable software, increasing investments in hardware, adopting **agile methodology** and optimizing their digital asset library to reduce render times.
• Satisfied customers, persuading at least **50 clients** to continue using the firm's services, all while receiving 0 building code infractions. Client approval was achieved by doing **hundreds of AutoCAD drawings**, 80+ meetings, 50+ Lumion/Photoshop renders, 20+ sketches, 8 Sketchup models, 4 code researches, 2 videos, and a handful of site visits.