

# Austen Cabret

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## EDUCATION

### Computer Science and Engineering

Jul. 2022 - Jul. 2023

Massachusetts Institute of Technology: OpenCourseWare (MIT)

Online

- **Student Organizations and Associations**
  - INIT
- **Certifications**
  - AlgoExpert.io: FrontendExpert
  - AlgoExpert.io: AlgoExpert
- **Relevant Coursework**
  - Design and Analysis of Algorithms (6.1220)
  - Computer Systems Engineering (6.1800)
  - Software Performance Engineering (6.1060)
  - Dynamic Computer Language Engineering (6.1120)

### Master of Landscape Architecture

May 2020

Florida International University (FIU)

Miami, FL

## EXPERIENCE

### Full Stack Engineer (PostgreSQL, Django, React)

Oct. 2020 – Present

Generlate

Greenacres, FL

- Designed, tested, documented and deployed a progressive web app, using Figma, a Django backend, React frontend, Three.js features, JWT authentication and REST APIs.
- Translated industry problems to solutions, using Typescript, Python, PyTorch and PostgreSQL.

### Designer

Nov. 2021 – Jan. 2023

Insite Studio

West Palm Beach, FL

- Initiated firm-wide process upgrades by persuading leadership and mentoring two junior staff, improving productivity 3x and reducing operational expenses by \$11,000 per month.
- Delivered exceptional user experiences through color theory, systems logic, A/B testing, iteration, research and aesthetics, on a cross-functional, Agile team, using Adobe Creative Cloud.

## PROJECTS

### Text to 3D Generator

Aug. 2024 – Present

[github.com/Generlate/model\\_generator\\_c\\_plus\\_plus](https://github.com/Generlate/model_generator_c_plus_plus)

West Palm Beach, FL

- Invented a LibTorch neural network capable of generating unique meshes based on a training set.
- Coded in Python and C++, implementing a Nvidia Omniverse extension for visualization.

### Resume Website

May 2023 – Jun. 2023

[austencabret.com](https://austencabret.com)

West Palm Beach, FL

- Created an animated portfolio using TypeScript, Three and Unreal Engine.
- Promoted myself, acquiring 200+ visitors.

## COMPUTER SKILLS

- Django
- Python
- C++
- Structured Query Language (SQL)
- Adobe Creative Cloud
- Next
- React
- TypeScript
- Amazon Web Services (AWS)
- Figma