Jett Gemmer

jettgem1@gmail.com | jettgemmer.com | (619)332-9075 | El Cajon, CA

Recent Cornell Computer Science graduate with robust practical experience in software development, complemented by a one-year break dedicated to family health caregiving. Eager to solve challenging problems at mission-driven companies.

EDUCATION

Cornell University, College of Arts and Sciences   **Aug 2020 – Dec 2023**
B.A., Computer Science - *Minor in Entrepreneurship and Innovation*
- Dean's List recipient and graduated a semester early (Dec 2023)
- Relevant Courses: Algorithms, AI, Computer Vision, OS, Functional Programming, OOP, Networks II, Web Apps

WORK EXPERIENCE

Ascendant   **Jan 2024 – May 2024**
CTO & Co-Founder   *Ithaca, NY*
- Developer of a goal-planning/habit-tracking app using Flutter and Dart, integrating AI-driven content generation.
- Finalist at Telora and in top 10% of applicants at Y combinator; download the app at **useascendant.com**.

Heat Inverse   **Jun 2022 – Aug 2023**
Product Software Developer   Dec 2022 – Aug 2023 | *Ithaca, NY*
- Engineered a Python simulation to quantify the net radiative cooling power of polymers engineered with multi-layered metal and adhesive coatings by analyzing their absorption spectra and incorporating environmental factors (temperature fluctuations, convective heat transfer, atmospheric humidity, etc.) within the critical 8–13 micron wavelength range.
- Streamlined the evaluation and selection of hundreds of unique polymer combinations for daytime radiative sky cooling, saving over $150,000 by eliminating company reliance on expensive physical testing.
- Maintained comprehensive code documentation and delivered weekly presentations, ensuring ease of understanding and facilitating future modifications and collaborations in the field of daytime radiative sky cooling.

Full-stack Intern   Jun 2022 - Oct 2022 | *Remote*
- Rebuilt the company's website in Javascript, adding essential pages, interactive features and animations, and a new logo.
- Engineered versatile Python calculators to evaluate energy solutions' performance and ROI, then transformed their outputs into engaging Javascript visualizations for client demonstrations—boosting pilot deal conversions by 250%.
- Created a PostgreSQL database for warehousing and used Grafana for real-time product performance visuals for pilots.

Lujena   **Jun 2020 – Aug 2020, May 2021 – Aug 2021**
Website Developer   *El Cajon, CA*
- Revitalized and rebranded two outdated websites, enhancing navigation, integrating dynamic media and social plugins, and optimizing content for readability, which skyrocketed user engagement and sales metrics, with improvements in user sessions by 358%, page load speeds by 230%, search traffic by 310%, and overall sales by 202%.

PROJECTS

- **AI Projects and Portfolio:** Developed jettgemmer.com using React, Tailwind, Next.js, and Node.js. Showcases a diverse array of artificial intelligence and web projects, including:
  - **GlobeGenie:** An interactive Three.js globe that leverages LLMs to convert natural language queries into dynamic geospatial data visualizations and intelligent multi-modal route planning.
  - **Benji:** A voice-controlled virtual assistant that uses TTS/STT and LLM APIs for context-aware responses.
  - **Liars Dice:** Player and AI opponents interact via voice, featuring strategic bluffing powered by a LLM.
  - **Blackjack/Score4:** Fun React games demonstrating minimax, alpha-beta pruning, and reinforcement learning.
- Github.com/jettgem1 - Repository showcasing innovative projects in Python, Javascript, and React.
- **Websites:** Designed and built for clubs, jobs, and peers: heatinverse.com, hopeandher.com, mediocremelodies.com, gaiacompetition.com, dermanoil.com, yesatyale.org, chilledimagesupply.com, vaginismus.com.

SKILLS

- **Skills:** Python, Typescript, Javascript, React, React Native, Next.js, Node.js, Django, AWS, PostgreSQL, Flutter, CSS, Firebase, Dart, HTML, Tailwind, LLMs, ML, C, Vercel, Pandas, PyTorch, Three.js, d3.js, RESTful API, Webhooks