ANDREW D. GORDON

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EXPERIENCE

- Lantern Medical, Software Engineering Intern, CA (May 2020-Present)
  - Developing C programs for STM micro-processors to retrieve and utilize remote distance and ALS sensor data.
- UCSC Comparative Programming, Grader, Santa Cruz, CA (Jan 2021-June 2021)
  - Provided grading and feedback on student programming assignments in PERL, Smalltalk, OCAML and Scheme.
- UCSC Electronic Sound Synthesis, TA/Grader, Santa Cruz, CA (Jan 2021-June 2021)
  - Provided in-class assistance, feedback on assignments, and Digital Audio Workstation support for students.
- iD Tech Camps, Programming Instructor, CA (Summer 2019, July 2020-Feb 2021)
  - Developed and taught computer science curriculum about Python, Java, JavaScript, Machine Learning/AI, and circuitry for teens and children.

PROJECTS

- [Delish Food Finder](), Full Stack Web-App: JS, Google Maps API, Sign-In, GCP, Node.js
- [Threaded HTTP Server and Load Balancer](): C, POSIX threads and socket library
- [Image Classification with Convolutional Neural Network](): Python, TensorFlow, NumPy
- [Real Estate Database Application](): PostgreSQL, C, stored function, libpq library
- [Image Web Scraper and Icon Generator](): Python, Selenium, Pillow, WebDriver, OS
- **Portfolio**: https://github.com/andrew-d-gordon/portfolio

EDUCATION

- University of California, Santa Cruz (Class of 2021)
  - B.S. Computer Science, Electronic Music Minor, GPA: 3.75 (Cum Laude)
    - Notable Courses: Software Engineering, System Design, Database Systems, Analysis of Algorithms, Data Structures, Applied Machine Learning
    - Algorithmic/ADT: Runtime/Space Complexity Analysis, Object Oriented Programming, Dynamic Programming, Graph Algos/ADTs, Tree ADTs, Hashing, LLs/Stacks/Queues
  - President of UCSC Club Volleyball (Fall 2019-20); UCSC Entrepreneurship Club
  - Dean's Honors List Winter/Fall 2018, Winter 2019, Winter/Fall 2020
- UC Santa Barbara (Summer 2018): Financial Accounting, Music Theory

SKILLS

- Technical: Python, C, Java, JavaScript, Golang, SQL, Docker, HTML, Git, UNIX/Linux, AGILE Development, AWS EC2, GMAPS API, 100+ WPM, MS Office
- Linguistic: 4 years of French study and conversation
- Music Tech: Production (Ableton, FL, Reaper), DSP, Audio Engineering, Sound Design, Max MSP, Librosa for Python