

Benjamin J. Kern

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EDUCATION

Loyola Marymount University — Physics & Computer Science

AUGUST 2016 - MAY 2020

Graduated with a double major in Physics and Computer Science as well as a minor in Mathematics.

EXPERIENCE

Automated Living — Software Engineering Intern

MAY 2020 - PRESENT

- Developed and manufactured streamlined IOT products using Raspberry Pi, implementing LoRaWAN as well as 4G Modem Technologies.
- Spearheaded backend and database implementation for displaying MQTT information.

LMU College of Science & Engineering — Physics & Mathematics Tutor

SEPTEMBER 2017 - DECEMBER 2019

- Developed efficient ways to teach complex concepts to students, improving their understanding of the Physics & Math coursework.
- Provided weekly tutoring for black students in Math & Physics courses.

Pixelgate Networks — Technical Assistant

MAY 2015 - AUGUST 2016

- Organized company's server facility to optimize process improvement and minimize supply costs.
- Built and performed maintenance on servers to establish internet security systems and optimize power supplies.
- Worked on technical projects to improve computing performance.

NOTABLE PROJECTS

Amplify

- Implemented the backend and database using Apollo Servers & GraphQL as well as AWS DynamoDB for the Amplify project, a community-based playlist phone application.

Cuttlefish Programming Language

- Engineered a Programming Language entitled Cuttlefish, a functional language designed to fuse multi-faceted programming as well as object-oriented programming.

Crowdventure

- Developed from top to bottom a web application using ReactJS for the Crowdventure project, a dynamic crowd-source-based web game.

SKILLS

- Computer Programming
Proficient/Expert in:
 - JavaScript
 - HTML/CSS
 - Python
 - Java
 - C/C++
 - Matlab
 - Microsoft Office(Word, Powerpoint, Excel)
- Excellent Problem Solving Skills
- Outstanding Learning Ability
- Exceptional Leadership
- Polished Communication Skills

RELEVANT COURSEWORK

- Deep Learning
- Artificial Intelligence
- Cognitive Systems
- Database Systems
- Operating Systems
- UI/UX Design
- Network Design
- Computer Graphics

INTERESTS

- Information & Technology
- Artificial Intelligence
- Engineering Optimal Products
- Strategic Planning
- Appreciation for Creativity and thinking outside of the box