BENJAMIN KERN

Software Engineer

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- **♀** Los Angeles, CA



EXPERIENCE

Software Engineer

Automated Living, Inc.

- Developed and manufactured streamlined IOT products using Raspberry Pi's
- Implemented LoRaWAN as well as 4G Modem technologies
- Spearheaded backend and database implementation for displaying MQTT information

Physics & Mathematics Tutor

LMU College of Science & Engineering

- Provided weekly tutoring for upper and lower-division students enrolled in a variety of different Mathematics & Physics courses
- Contributed to raising student test scores 20-30% on average

Technical Assistant

Pixelgate Networks

- 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

PROJECTS

Amplify

1 08/2019 - 02/2020

Amplify is a Community-Based Music Playlist Application.

- Implemented backend and database using Apollo Servers & GraphQL
- Crafted REST API as well as Professional-grade documentation of API

Cuttlefish

🛗 11/2019 - Ongoing

Cuttlefish is a Versatile Functional Programming Language.

- Engineered a Functional Language designed to fuse Multi-faceted Programming as well as Object-Oriented Programming
- Developed professional-level production & deployment environments

Crowdventure

12/2019 - Ongoing

Crowdventure is a Crowd-Sourced Web Application Game.

- Developed a full stack web application, utilizing ReactJS and Github Pages for frontend deployment, and AWS Lambda instance with AWS Cognito for backend and database deployment
- Incorporated Google Ads so that the project is self-sustaining

EDUCATION

Computer Science & Physics

Loyola Marymount University

PROGRAMMING

JavaScript	•••••
HTML/CSS	•••••
Python	•••••
Java	•••••
C/C++	•••••
Julia	•••••
SQL	••••
Haskell	••••
Swift	•••••
R	••••

SKILLS

Programm	ning	AWS	Do	cker	
ReactJS	Apol	Apollo GraphQL OpenGL			
TensorFlow & PyTorch NodeJS					
Maven / Gradle Deep Learning					
Artificial Intelligence		ence	UI/U	X Design	

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