

# BENJAMIN KERN

## Software Engineer

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📍 Los Angeles, CA



## EXPERIENCE

### Software Engineer

#### Automated Living, Inc.

📅 05/2020 - 08/2015 📍 Los Angeles, CA

- 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

📅 09/2017 - 12/2019 📍 Los Angeles, CA

- 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

📅 05/2015 - 08/2016 📍 Westlake Village, CA

- 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

📅 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

📅 2016 - 2020 📍 Los Angeles, CA

## PROGRAMMING

JavaScript ●●●●●●

HTML/CSS ●●●●●●

Python ●●●●●●

Java ●●●●●●

C/C++ ●●●●●●

Julia ●●●●●●

SQL ●●●●●●

Haskell ●●●●●●

Swift ●●●●●●

R ●●●●●●

## SKILLS

Programming

AWS

Docker

ReactJS

Apollo GraphQL

OpenGL

TensorFlow & PyTorch

NodeJS

Maven / Gradle

Deep Learning

Artificial Intelligence

UI/UX Design

## FIND ME ONLINE

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