BENJAMIN KERN

Software Engineer

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- 📍 Los Angeles, CA

EXPERIENCE

Software Engineer
Automated Living, Inc.
📅 05/2020 - 08/2020 📍 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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