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
📅 Date period   📍 Location
Short summary of your work

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

Cuttlefish Programming Language
📅 Date period   📍 Location
Short summary of your work

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

Crowdventure
📅 Date period   📍 Location
Short summary of your work

- 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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