BENJAMIN KERN

Software Engineer

- 📞 (805) 657-5922
- 🔗 benjaminjkern.github.io
- @ benkern@pixelgate.net
- 📍 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

- in /benjamin-j-kern
- ○ /benjaminjkern