Hakan Alpay

hak7alp@gmail.com — (818) 448-5096
github.com/kimeiga — www.kimei.ga
App, Game, Web, Language Developer from UCLA

Experience

Zenith Insurance: App Developer Intern

Summer 2018

- Developed features for Zenith Connect, an **iOS** and **Android** app for injured workers to coordinate with their examiner.
- Created My Documents tab with **Kotlin** (Android) and **Swift** (iOS) in which all of user's documents are streamed via **REST requests** and to be displayed as PDFs.
- Designed Health Corner tab in **interactive mockup.**
- Managed subtasks and completed code reviews in **JIRA**.
- Used **SQL** requests to manipulate events.
- Features developed affected **1500+ people.**

Node.js: Open Source Contributor

December 2017

- Used **C++** to percent-encode additional characters within **Node.js URL parser** with new lookup table.
- This aligns URL parser with new **WHATWG** (HTML Maintaining Group) encoding standards.
- Created local build to pass tests and monitored tests on **Jenkins Continuous Integration**.
- Feature included in Node.js version 9.4 release, affecting over **3.5 million users.**

Zenith Insurance: App Developer Intern

Summer 2017

- Created security overlay with **Java** and **Swift** that hides sensitive information when **app enters background**.
- Wrote **functional documentation**, designed **icons**, and fixed bugs in Android and iOS apps.

Skills

Languages:

C#, C++, Java, SQL, JavaScript, JSX, HTML, CSS, Python, Bash, LINQ, Spanish

Programs/Paradigms:

Unity, Figma, Heroku, React, Preact, Angular, GDB

Education

UCLA: BS in Computer Science

August 2018 – June 2021

Coursework: **Data Structures, Algorithms, Linux, Object Oriented Programming, Optimization, Multi-threading**

Projects

Mappening.io

March 2018 – 2019; mappening.io

- **Angular 5 web app** that gathers all UCLA events into map.
- Upgraded app to **Progressive Web Application** with **service worker** and **offline caching**.
- Designed with **Bootstrap** and contributed **Figma** mockups.
- Helps hundreds of UCLA students find events near them.

"Too Many Authors" React App

April 2018; toomanyauthors.com

- Developed **React** game in which players take turns telling a story through series of pictures.
- Converted their sentences to pictures with **Google Natural Language Processing,** Unsplash API, and Qwant **search engine API.**

Multiplayer Rocket-Jump FPS Game

August 2017

- Developed dynamic **server-client** movement synchronisation and hit recognition with **C#** in **Unity.**

UCLA Roommate Matcher 2018

Summer 2018; kimeiga.github.io/ucla2021

- Created **Google Form** for incoming UCLA freshmen to fill in their lifestyle preferences and stored data in Google Sheet.
- Used **Numpy** and **Pandas Python modules** to calculate coefficients of compatibility between all pairs of people.
- Developed **HTML** website that displays users most compatible roommates via **Google Charts API**.
- Received **1251 responses** and helped **600 people** find roommates.