

Kevin Hsieh

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EDUCATION

University of California, Riverside

December 2016

Bachelor of Science, Computer Science

SKILLS

Programming: C++, Python, C, Bash.

Others: LaTeX, RESTful API, HTTP.

Operating System: Windows, Linux, UNIX.

Languages: English - Fluent, Mandarin Chinese - Fluent.

PROJECTS

TwitchMontage — TwitchCon Hackathon

Oct 2017

- Created a quick highlight video from a Twitch Vod, grabbing the top five intervals of the video based on the chat's message frequency.
- Extracted the m3u8 playlist from a Twitch Vod by manipulating the Twitch API.
- Downloaded chat logs and sorted through timestamps for frequency of messages.

Stationerry

Mar 2016 - Jun 2016

- Monitored and collected numerous error messages from a variety of apps.
- Reviewed messages to store in a SQLite database in order to support the filtering process for the clients.
- Received and managed queries from various clients on the backend.
- Evaluated and revised through native error messages for details to store into the SQLite database.

SharkByte — Senior Project - Networks

Jan 2016 - Mar 2016

- Built upon *Deluge*, the current existing bitTorrent client, in order to increase anonymity and streamline the process of downloading and sharing torrents.
- Completed webscraper that gathers metadata for each individual torrent.
- Developed subscription system which shares metadata and other other information between clients.

Twitter Clone

Sept 2016 - Dec 2016

- Text based replication of Twitter, the social media platform, featuring two sides of the application: client and server.
- Client side application managed requests from the user by allowing the client to log in/out, view/post messages, edit subscriptions, and utilize hashtag search.
- Server side application received each queries from the Client app via UDP and performed the appropriate function calls.

Hom.io — HackUCI

(IBM Bluemix Prize Winner)

Nov 2016

- Prototyped a smart home environment that focused on energy efficiency.
- Collected sensor data and sent to IBM BlueMix where we compiled them for the user to see.
- Designed to let users adjust and configure their smart home devices according to the sensors' data.

ThinkBox — Citrus Hack

(1st place winner)

Mar 2014

- Created a web application to replace the use of clickers in classroom settings.
- Worked on MySQL database with PHP.

SOCIETIES

Citrus Hack — *Co-Director*

Apr 2016 - Dec 2016

- Lead Fund-raising, Marketing, and Operations team for the 2016 Citrus Hack event.
- Carried out and delegated tasks at the event.

ACM at UCR — *Vice President*

Jun 2015 - Jun 2016

- Lead a group of students to plan professional and academic events for members.
- Assisted with planning of 2015 Citrus Hack and managed volunteers during the event.