Hsin-yu Chen

Software Engineer

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I am a software engineer based out of Taiwan. My education and training is in chemistry and material engineering. I am the co-author of Xorro-P2P, a Bittorrent-like P2P file sharing application built from scratch in Ruby.

Projects

Xorro-P2P - *https://xorro-p2p.github.io*

- Complete implementation of a Kademlia distributed hash table(DHT) from scratch by conducting in-depth research of P2P system and DHTs via white papers and specifications

- Simulated a network in a local environment and scaled to a real network during the course of development

- Promote network stability and retrievability by file sharding, shard auto-broadcasting

- Collaborated with remote teammates in San Francisco and New York by using pair programming and project planning

- Ruby, Sinatra, TDD, Minitest, Javascript

MyTrello

A project management app styled on Trello that allow for card creation, deletion, reorganization, labeling, due data editing, adding comments, and key word searching of card.

- Javascript, Backbone, Express, Jade, Stylus, Handlebars, HTML, CSS

Skills

Backend: Ruby, Ruby on Rails, SQL

Frondend: Javascript, jQuery, Backbone, Express, HTML, CSS

Problem solving: Algorithm Thinking, System Design

Education

National Tsing-Hua university - MS, Material Science 2011 - 2013

National Chiao-Tung university - BS, Applied Chemistry 2007 - 2011