

Golden Hsu

goldenogs@ucla.edu | 512-786-0861 | Website: goldenhsu.me | Github: [goldenogs](https://github.com/goldenogs)
359 Veteran Ave, Los Angeles, CA 90024

EDUCATION

University of California, Los Angeles

Los Angeles, CA

Linguistics and Computer Science; GPA: 3.48/4.0

Expected Dec 2019

Relevant Coursework: Data Structures, Algorithms and Complexity, Computer Architecture, Object-Oriented Programming, Functional Programming, Logical Programming, Computational Linguistics (NLP), Artificial Intelligence

SKILLS

Languages: C++/C, C#, Python, Java, HTML/CSS, JavaScript, Bash, React JS, Haskell, Lisp, SQL

Technologies: Git, Linux, Object-Oriented and Functional Programming, .Net Framework, React, Open Computer Vision, OCR

EXPERIENCE

Vitu

Agoura Hills, CA

Software Development Intern

May 2019 - August 2019

- **Audit Automation:**
 - * Designed and implemented a form-processing solution using C# and open source computer vision technologies, which offloads up to 85% of total manual work on target forms
 - * Key components include form identification, signature detection, QR code processor and automatic image enhancement
 - * Improved performance by 325% using asynchronous and parallel programming
 - * Developed a microservice (as RESTful APIs) to expose the audit result to other internal services
 - * The solution is to process ~80% of all California new car registrations, roughly 5.75 million pages per year
- Implemented a machine learning prototype in Python that identifies target forms using a self-trained neural network

iLinke Co

Taipei, Taiwan

Software Development Intern

July 2017 - August 2017

- Implemented a redesign for a public listed company's web platform using HTML/CSS and JavaScript, including better "add-to-cart" experience and responsive design for various mobile devices
- Implemented a site makeover for a mobile-gaming start up company

PROJECTS

Expensify: JavaScript, HTML/CSS, React, Firebase, Jest

- Developed a full-stack expense management web application that allows users to log, edit, and search expenses.
- Features user accounts and private data for multiple user, using Google Auth
- Responsive design which allows the app to work on wide variety of devices

Donoger: C++, Visual Studio

- A donation/donor management desktop application
- Designed and built the application with a team of two, featuring GUI front-end, self-implemented linked-list data structure and object-oriented design
- Keep track of donor and donation amount for any organizations

Audiophiles: React Native, IOS/Android, JavaScript

- Designed and implemented a mobile app that provides a voting platform for creative selections of music
- Votes are updated in real-time whenever any user upvote/downvote on any songs, or when a new song is added into the listening room
- Each user has a personal profile to be incorporated into social media in the near future

Proxy Herd Server Prototype: Python, Async, Event-Driven Programming

- Implemented the flooding algorithm, which allows efficient communication between 5 servers
- Servers propagate messages to each other and operate even when neighboring servers go down

ADDITIONAL EXPERIENCE

Upsilon Pi Epsilon - CS Honor Society: Tutored two hours per week for fundamental CS and math classes (Spring 2018)

Christian Student Club: Organized and coordinated club activities and outings, including multiple out-of-state trips (2017-2019)