Kylon Chiang

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Education

University of California, Berkeley   Jan 2013 - May 2017
Bachelor of Arts - Computer Science and Applied Mathematics

Relevant Courses:

Computer Science:	+ Data Structures	+ Machine Structures	+ Artificial Intelligence
	+ Algorithms	+ Computer Security	+ Operating Systems
	+ Networking	+ User Interface	
Mathematics:	+ Linear Algebra	+ Abstract Algebra	+ Discrete Mathematics
	+ Real Analysis	+ Complex Analysis	+ Numerical Analysis

Languages: Python, Java, C, HTML, CSS, Javascript, MATLAB

Professional Experience

Academia Sinica   June - August 2016
Software Engineer and UI Intern

+ Prototyped new user interface for assistive hearing app SmartHear
+ Synced backend functionalities with UI elements using Android Studio
+ Organized presentation and live demonstration of the app prototype

Memebox   July - August 2015
Software Engineer Intern

+ Created email templates with design team in HTML/CSS to facilitate weekly communication with customers
+ Composed Python script to report faulty product links
+ Designed test flow used to ensure correct behavior of company site functionalities

Projects

PintOS | Co-authors: Kiran Arimilli, Sanchay Jaipuryar, Shauray Agrawal

+ Authored design documents that described at length how each module of the operating system should be implemented for consistency, availability, and durability
+ Built Linux-inspired operating system that included a scheduler, system calls, buffer cache, and file system

WAN Optimizer

+ Realized two algorithms for middleboxes on a Wide Area Network (WAN) to optimize performance when transmitting large amounts of data between machines
+ Gained understanding of methods that reduce network traffic and cost while being space efficient through caching

Earthquake Detector

+ Developed Android mobile and wear app that extracted earthquake information from United States Geological Survey
+ Established user-friendly interface with colors and hierarchy for intuitive presentation

Skills & Interests

Foreign Languages: Mandarin (*Fluent*), Taiwanese (*Conversational*), Spanish (*Conversational*)
Other Tools: Adobe Creative Suite (*Proficient*), InVision (*Proficient*), Android Studio (*Basic Proficiency*)
Interests: Sketching/Drawing, Fashion, Gastronomy, Swimming, Singing, Musicals, Saving the World