

Alexander Chai

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Education

Carnegie Mellon University

B.Sc. in Computer Science & B.Sc. in Discrete Mathematics

Expected completion in May 2018

GPA: 3.78/4.0 - Dean's List F14, F15, S16, F16, S17

Extracurriculars Include: Origami Club, Computer Club, Math Club, Putnam Team, ACM@CMU

Relevant Coursework (as of May 2017):

15-440 - Distributed Systems

16-385 - Computer Vision

15-451 - Algorithm Design and Analysis

15-354 - Computational Discrete Math (Fall '17)

Experience

Apple Inc. - Software Engineering Intern

Cupertino, CA | May 2017 - Present

Worked on the iTunes U team as a software engineering intern for iOS development

Contributed to the development and testing of education technologies

Carnegie Mellon - Research Assistant

Carnegie Mellon University | June 2016 - Present

Helped design and build the *pdfnotebook* note-taking program using the PDF.js API with Prof. Seth Goldstein

Implemented front end functionality from scratch including onscreen notes and highlight-annotations.

Hawaii Information Service - iOS Intern

650 Iwilei Rd, Suite 670, Honolulu, HI 96817 | June - Aug. 2014

Helped plan as well as develop the *Caravan* app project, an iOS app designed to assist in real estate survey data management.

Punahou School - iOS Developer

1601 Punahou St. Honolulu, HI | June 2013 - March 2015

Served as a volunteer iOS app developer in high school in charge of directing student projects

Head developer for the *Bartle Test* project and co-head developer on the *iCarnival* project (see *Projects*)

Skills

Programming Languages & Technologies

C, Objective-C, SML, Java, HTML, CSS, JavaScript, iOS, Cocoa, Swift, Git, LaTeX, Matlab, Maple, PDF.js, COBOL

Projects

iCarnival for iOS - For Punahou School

Feb. 2014

Built an iOS app for school's annual Carnival.

App provides information about Carnival such as hours and location, a map system, among others.

Received 700+ downloads on the iOS app store

Asteroids in Space! - TartanHacks Entry

Feb. 2015

Worked with team that created a virtual reality version of the game *Asteroids*.

Placed in the top 6 submissions of TartanHacks 2015.

Pic8 - TartanHacks Entry

Feb. 2016

Collaborated on a reminders app that keeps track of reminders using pictures.

Implemented the reminders view as well as app data management

Bartle Test - For Punahou & Doug Kiang

Mar. 2015

Developed a iOS personality test for use in classrooms based the original by Erwin Andreasen and Brandon Downey.

Also implemented updates such as new gesture recognition features and support for new hardware

More Projects at www.andrew.cmu.edu/user/achai/projects.html