Yu-Ann Chen

You can call me "**Ashley**"
From Taipei to Hawaii to Boston to New York

Contact

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Education

New York University, New York
B.A. in Computer Science
Graduating in Spring 2019

Simmons College, Boston
Fall 2015 - Spring 2017

Coursework: Algorithms, Data Structures, Programming Languages, Discrete Mathematics, Computer Networks

Projects

As / In / Sure • MIT Media Lab's Hackathon
IoT Emotion Analyzer • April 2017
- Integrated emotion sensors to 3D-printed watch and glasses using Particle's Photon
- Built a web app that detects fear, anxiety, and danger based on user's temperature and pulse using D3.js and Spark Core

Seven Degrees Actors • CS330 Final Project
Data Visualizer and Analyzer • April 2017
- Built data visualizer to understand relationships between actors and movies using D3.js
- Optimized data from a RESTful API using Node.js and various search algorithms

AccountaBuddy• Stanford's TreeHacks
SMS Messenger Bot • February 2017
- Created a messenger bot that gets people politically involved by providing automation to emails and calls to state representatives
- Used Microsoft's Bot Framework (Node.js), Azure server, and Twilio API.

Skills

Programming
Java, Python, R, Javascript, Scala, HTML, CSS, MySQL

Tools
Eclipse, IntelliJ, Maven, Vim, Git

Experience

Carnegie Mellon University • Software Research
Undergraduate Researcher • June 2016–Present
- Investigating a new technique for patch verification using AST change expressions and probabilistic tree structure grammar
- Implementing an NLP technique of code entropy to fault localization strategies in GenProg, an Automatic Programming Repair tool

Draper Laboratory
Software Development Intern • January – May 2017
- Designed customized GUIs for an ERP system using C#
- Wrote C templates for code repair classification as a programming repair project in the Machine Intelligence Group
- Optimized the creation of dynamic problem reports for client's databases in MySQL

Simmons Library and Information Tech Lab
Teaching Assistant • September–December 2016
- Assisted professors with CS112 - Intro to Computer Science course (Python) and guided students through lab sessions

Harvard Medical School
Research Assistant • August 2015–May 2016
- Performed article research and gathered data of postdoc culture and lifestyle satisfaction using Python

Activities

Simmons SharkHack • College Hackathon
Co-Chair • March 2016–May 2017
- Organizing the logistics, sponsorships, and mentors outreach for Simmons' 24-hour hackathons

Science Club for Girls
Mentor Scientist • October 2015– May 2016
- Teach semester-long STEM classes to girls from underrepresented communities

Square
Code Camp Participant • August 2016
- One of 20 women selected out of 500 applicants
- Focused on developing technical and leadership skills by attending workshops on Ruby on Rails, iOS, Imposter Syndrome, and Web Development.