

YEUK YU LEE

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EDUCATION

CARNEGIE MELLON UNIVERSITY

Class of 2018

Major: STATISTICS BS

Minor: COMPUTER SCIENCE

GPA: 3.82/4.0

Dean's List
High Honor

SKILLS

PROGRAMMING LANGUAGES:

R, Python, Java, C
HTML/CSS, JS
SQL, PHP

SOFTWARE

Adobe Illustrator,
Photoshop,
InDesign
Version Control (Git),
Gradle, Travis-CI
LaTeX, R Studio
Microsoft Office

HARDWARE

Arduino

RELATED COURSEWORK

- Principle of Software Construction (15-214)
- Introduction to Computer System (15-213)
- Fundamentals of Imperative Programming (15-122)
- Functional Programming (15-150)

RESEARCHES

STATISTICAL SOFTWARE DEVELOPMENT Spring 2017 - Present

Independent research under professor supervision that centers at developing an extension package **Lindia** to existing R graphing package **GGPlot2**, creating new plotting feature for linear regression model diagnostics.

RAPT, SARA PROJECT IN HCI Fall 2016 - Present

Research in Human Computer Interaction under supervision of Justine Cassell, exploring relationship of rapport and task performance in virtual agents in SARA team. Also deriving statistical learning models using Bayesian Statistics to develop tutoring system in RAPT team.

PROJECTS

DRAWD.IO Spring 2016

A web app that allows user to upload or draw an image to find a song with similar album art. The algorithm using point cloud detection to find compositionally similar image. Worked as a UI designer and front-end engineer.

HARRY POTTER: FINDING SOCERER'S STONE Fall 2016 - Present

A web based game developed in plain Javascript that allows user to navigated in a 2.5D setting. Worked in a team of 2 with main role as a game engineer.

COLLEGE EXPLORER: WEB DEVELOPMENT Fall 2016

A 4 person project that aims at visualizing the top 800 universities ranked by Times higher education. The end project is a web app that visualizes geographical and demographic profile for all colleges. Responsibility includes data processing, designing UI, and back-end engineering.

SIMPLE PROXY Fall 2016

A simple multi-threaded, interactive proxy implemented in C that listens and accepts incoming requests. It then forward all incoming HTTP request to server.

WORK

TECHICAL INTERN ARTICULAB IN CARNEGIE MELLON Fall 2016 - Present

Working to build a virtual assistant that interacts with human user, personalizing response and improving task performance by analysing prior interaction. Job detail includes programming statistical model and experiment UI.

COMPUTER SCIENCE TEACHING ASSISTANT Fall 2015 - Fall 2016

Teaching assistant of 15-112 Fundamentals of Programming and Computer Science, which is rated by Bloomberg as one of the 5 best CS courses in nation. Duties involve teaching in various group sizes from 3 - 200, grading papers, and mentoring students.