

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

- Statistics: Regression, Cross Validation, Kernel Regression, Bootstrapping, Spline, Bayesian Statistics, Visualization, Statistical Testing
- Computer Science: Object-oriented, Imperative, Functional Programming, Software Design, Computer System

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

FCE @ CARNEGIE MELLON Spring 2017

A web app that visualizes faculty course evaluation dataset. Winner of the best data visualization hack by Qualtrics at TartanHacks at Carnegie Mellon University.

DRAWD.IO Spring 2017

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.

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 forwards all incoming HTTP request to server.

WORK

TECHNICAL 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 analyzing prior interaction. Job details include 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.