

# YEUK YU LEE

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## EDUCATION

### CARNEGIE MELLON UNIVERSITY

Class of 2018

Major: STATISTICS BS

Minor: COMPUTER  
SCIENCE

GPA: 3.83/4.0

Dean's List  
High Honor

## RELATED COURSEWORK

### Statistics:

Statistical Modeling,  
Prediction, Regression,  
Graphics / Visualization  
Bayesian Statistics \*  
Data Mining \*\*

### Computer Science:

Imperative Programming  
Functional Programming  
Computer System  
Software Design  
Programming in Gadgets\*\*

## PROGRAMMING LANGUAGES

R  
PYTHON  
SQL  
HTML/CSS/JS  
JAVA  
PHP  
C

## SKILLS

R Studio, GIT, Bootstrap, Adobe Illustrator, Photoshop, Sketch, Origami Studio, LaTeX

## PROJECTS AND RESEARCH

### GGPLOT IN R: SOFTWARE DEVELOPMENT\*\*

Spring 2017

Independent study that aims at developing an extension to existing R graphing package GGPlot2, creating new plotting feature for linear regression model. The study will be conducted under the supervision of Statistics Professor Sam Ventura.

### 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.

### SIMPLE PROXY

Fall 2016

A simple multi-threaded, interactive proxy that listens and accepts incoming requests. It then forwards all incoming HTTP request to corresponding server. The proxy is written in C; It is tested and is compatible with Mozilla Firefox Explorer.

### DATABASE BUILDING IN SQL

Summer 2016

Participated in summer course hosted by Harvard University, which concluded with a relational database building project for a fictional wholesaler using PHP MySQL and mySQL.

### TWINS PARADOX: PYGAME

Spring 2015

Built an interactive game that involves driving spaceship using Python and the Pygame module. The game includes randomly-generated maze algorithm, autosolving, and 3D visualization. The end product is delivered as a term project of the course Fundamentals of Programming and Computer Science.

## WORK

### PROGRAMMER

Fall 2016 - Present

### SARA, RAPT PROJECT IN ARTICULAB

Working to build a virtual assistant that interacts with human user, personalizing response and improving task performance by analysing 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.

## ACTIVITIES

### HACKATHON: HACK 112

Fall 2016

Organizing a course-wide Hackathon with a team of about 10 people. Details include providing technical support, planning logistics, and mentoring participating teams.

### MENTOR IN COURSERA

Fall 2016

A weekly mentor for students enrolled in fundamentals of programming course.

\*\* Classes and Projects that will begin in Spring 2017