Jina Lo
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EDUCATION

University of Pennsylvania School of Engineering & Applied Science *Expected May 2021*
Bachelor of Applied Science in Computer Science Philadelphia, PA
  - **Cumulative GPA: 3.96 / 4.0**
  - Honors: University Dean's List 2017 – 18, 2018 – 19 | Eta Kappa Nu Electrical and Computer Engineering Honor Society
  - Coursework: Algorithms and Data Structures | Big Data Analysis | Linear Algebra | Mathematical Foundations of CS | JavaScript | Python | Computer Systems (C programming) | Software Design & Engineering (Android) |

Hankuk Academy of Foreign Studies *Feb 2014 – Feb 2016*
  - GPA: 4.0/4.0 South Korea

EXPERIENCE

University of Pennsylvania, Department of Computer and Information Science *May 2019 – July 2019*
Research Assistant Philadelphia, PA
  - Contributed in building the data set for the Deep Neural Network that predicts possible fixes for bugs
    - Used Babel and PyGithub to collect ~2M buggy and fixed version of JavaScript codes from GitHub and generate the abstract syntax trees
    - Analyzed the abstract syntax tree differences between bugs and their fixes to label the common types of fixes
    - Implemented Python and shell scripts to parallelize the data collection and processing, improving the speed by 45%

UPenn Google CSR Explore Program – PolyDroid Project *Dec 2018 – April 2019*
Research Assistant Philadelphia, PA
  - Participated in the development of PolyDroid, a Machine Learning based tool that generates an optimized version of an input Android app with minimized resource consumption while maintaining usability
  - Developed a Java program that analyzes the target view and its adjacent XML elements, automating the feature collection

Ranee & Company *July 2018 – August 2018*
Marketing / Design Consulting Intern Seoul, South Korea
  - Provided consultation services for a $48 M building renovation project, resulting in an additional project with the client
  - Constructed a 50-page market and design research report on different shared office businesses and retail spaces supporting the team in creating further deliverables for the client

PROJECTS

Anabada *Feb 2019 – May 2019*
  - Collaborated with four programmers in the development of an Android app and a website that serve as a platform for a user to exchange unused or unnecessary items with other users
  - Used Java, JavaScript, HTML, CSS, Node Express, MongoDB and Google Map API

Fabrec (github.com/kimny817/NETS213-Fabrec) *Feb 2019 – May 2019*
  - Spearheaded a crowdsourcing based fashion recommendations service with a team of four
  - Designed a three-step process that crowdsources from Amazon Mechanical Turk for data aggregation and quality control
  - Deployed Python and Pandas to generate input data for crowdsourcing tasks and to analyze the performance of the service

Roomies (github.com/losina/cis197_Roomies) *Oct 2018 – Dec 2018*
  - Developed a roommate management platform with roommate search, group page and task management functionalities
  - Utilized JavaScript, MongoDB, Node Express, HTML, CSS and Google Map API

EXTRACURRICULAR ACTIVITES

K-Pensa *Sept 2017 – Present*
Designer of Korea-Penn Engineers & Scientists Association Philadelphia, PA

TEDx Organizing Team *Mar 2013 – Aug 2017*
Designer and Member of Event Management Team Seoul, South Korea

SKILLS

Programming Skills: Java, JavaScript, Python, HTML/CSS, Linux, Android, Pandas, MongoDB, jQuery, Node.js, Express.js
Design Software: Photoshop, Illustrator, InDesign, SolidWorks
Languages: Korean
Personal Interest / Hobby: Graphic Design, Gouache Paintings, Analog Photography