

SoYoung Park

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EDUCATION

UNIVERSITY OF PENNSYLVANIA
B.A. IN COMPUTER SCIENCE,
URBAN STUDIES
May 2017 | Philadelphia, PA

SKILLS

Java • Python • PHP • JavaScript • jQuery
C • Unix shell scripting • MySQL • Ruby
OCaml • Prolog • C# • C++ • Assembly
MongoDB • AWS • CSS • HTML

LINKS

Github:// [soyoungpark](#)
LinkedIn:// [soyoungpark05](#)
DevPost:// [soyoungpark](#)
Twitter:// [@soyoung_park](#)
StackOverflow:// [ampersands](#)

COURSEWORK

Networks and Security
Automata, Computability, and Complexity
Database and Information Systems
Paradigms of Programming
Data Structures and Algorithms
Introduction to Computer Architecture
Programming Languages and Techniques I
Programming Languages and Techniques II
Introduction to Algorithms
Software Design & Engineering
Mathematical Foundations of Computer Science

PROFESSIONAL EXPERIENCE

EPICERIE KOREA | Co-FOUNDER & FULL STACK ENGINEER

Mar 2015 - Mar 2016 | Seoul, South Korea

- Co-founded an on-demand grocery delivery startup ([www.epicerie.kr](#)), acquired by Inmost Partners in Jul 2017.
- Built PHP backend with MVC (Codeigniter) framework and MySQL database hosted by AWS. Built public and private APIs.
- Increased user retention from 60% to 88% by implementing multiple features including automated reminder email system (retention tracked through Mixpanel and Google Analytics plugin)
- Built and deployed web and mobile-accessible application using HTML, CSS, JavaScript, and PHP template engine (Smarty)

INTERNATIONAL OLYMPIAD IN INFORMATICS ACADEMY | ALGORITHMS INSTRUCTOR

Jun 2015 - May 2016 | Seoul, South Korea

- Taught data structures and algorithms in C to students preparing for Korean Olympiad in Informatics (weekend class; 4hrs/week)
- Prepared teaching materials and held office hours

JARVUS INNOVATIONS | SOFTWARE ENGINEERING INTERN

Feb 2015 - Apr 2015 | Philadelphia, PA

- Contributed to open-source PHP & javascript project that scraped 11 different states school district funding data (<https://goo.gl/i6NANU>)
- Represented company booths in Code for Philly meetups and hackathons

ARCHITECTURE & COMPILERS GROUP AT UPENN | UNDERGRADUATE RESEARCHER

May 2014 - Aug 2014 | Philadelphia, PA

- Wrote python and shell scripts to automate anomaly detection in multi-threaded processing.
- Actively participated in weekly research reading.

SELECTED PROJECTS

TENSORFLOW TRAFFIC CONGESTION CLASSIFIER Aug 2017

- Used Tensorflow to build a deep learning model that classifies traffic level of 5th Avenue, NYC (traffic camera footage from [www.earthcam.com](#))
- Applied supervised learning to train a Tensorflow classifier model with 85% accuracy in classifying traffic level of given image or video

HACKMIT 2016: STOCK PRICE PREDICTION Sept 2016

- Used Keras neural network library to examine the relationship between public sentiment and stock prices for seven major companies.
- Used time series data from NASDAQ API and sentiment data from StockTwits API. Prediction visualized using D3.js.

3RD PLACE UNITHON 2015 : ALPHABET 2048 Sept 2015

- Implemented linear-time Gaussian blur algorithm for Android game

3RD PLACE FEMMEHACKS 2015 : CAMPUS COUTURE Feb 2015

- Created a dress-swapping web app using Python, Flask and SQLite.