Charles Yu

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EXPERIENCE

Workday, Pleasanton, CA — *Software Engineering Intern*

MAY 2017 - AUG 2017

Designed and implemented a role-based authorization schema for a log-collection service using Scala, AngularJS, MongoDB, and Play Framework.

Investigated and created a proof-of-concept service for remote server log aggregation, log searching, and log-metric visualization using elastic stack.

Knodemy, Livermore, CA — iOS *Development Intern*

JUN 2016 - AUG 2016

Designed and built a social media iPhone app in Swift 2 to connect students with mentors at hackathons as part of a two-person intern project. Implemented chat service, news feed, user-registration, authentication, and Firebase integration.

Stanford Cognitive & Systems Neuroscience Lab, Palo Alto, CA — *Intern*

JUL 2015 - AUG 2015

Administered surveys and collected research data on the impulsivity of school-aged children and revised scientific research papers.

PROJECTS

peoplethink

Built a search engine for Q&A pairs from the top 1000 Reddit /r/IAMA posts of all time using Python, Django, scikit-learn, nltk VADER, and empath.

Created a dataset by pulling IAMA threads from the Reddit API and cleaning it for text feature extraction. Developed a scoring method to weight documents based on classic information retrieval (TF-IDF weighting and cosine similarity) and categorical topic modeling (obtained from empath text-analysis).

fmftracker

An email service that alerts me of any sales on the subreddit /r/frugalmalefashion whenever a specific term I am tracking is posted.

TECHNICAL SKILLS

Languages [Proficient] Python, Java, Scala, JavaScript, [Familiar] Swift, C, HTML, CSS
Tools and Frameworks d3.js, Play Framework, Django, scikit-learn, AngularJS, Elastic (ELK) Stack, MongoDB

EDUCATION

Cornell University,
Ithaca, NY — *Computer Science, B.A.*

AUG 2015 - MAY 2019

GPA — 3.827

RELEVANT COURSEWORK

CS 4280 - Introduction to Analysis of Algorithms,
CS 4300 - Language and Information,
CS 3300 - Data Driven Web Apps,
CS 3410 - Computer System Organization and Programming,
CS 2110 - Object-Oriented Programming & Data Structures,
CS 2800 - Discrete Structures,
MATH 2210 - Linear Algebra

EXTRACURRICULARS

Lifestyle Blogger, The Cornell Daily Sun

Sigma Phi Epsilon NY Beta, Tech Chair

REFERENCES Available upon request.

For additional information, please visit my website — charlesyu108.github.io