Current Address
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John J. Park

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Permanent Address
6109 39th Ave Apt#K5
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EDUCATION

Cornell University College of Engineering, Ithaca, NY — ***Expected Graduation***: May 2021
Bachelor of Science in Computer Science — ***Minor*** in Operations Research and Information Engineering

RELEVANT COURSES

Analysis of Algorithms	Object-Oriented Programming	Operating Systems	Statistical Data Mining
Machine Learning for Intelligent Systems	Functional Programming	Embedded Systems	Simulations Modeling
Crowdsourcing and Human Computation	Database Systems	Artificial Intelligence	Optimization

RELEVANT EXPERIENCES

Asymm Developers, San Diego, CA, ***Technical Product Manager Intern*** — May 2020 – October 2020
Asymm Developers is a team of engineers that do both software consulting and custom software development for companies of all industries and sizes.
- Led 3-person team through engineering design processes of weekly code sprints, code reviews, and client feedback to deliver a custom broker referral system and interactive map using Ruby on Rails, PostgreSQL, AWS, and React for a client that works with luxury homes
- Injected referral system into the client's website utilizing its cookies to reconstruct customer-broker and broker-broker communication on 50+ properties
- Consulted another client on their PDF information extraction needs by strategizing with different machine learning services using the client's available data

Labor Dynamics Institute, Ithaca, NY, ***Research Assistant*** — August 2018 – October 2019
- Reviewed and replicated research articles under review by the American Economic Association to ensure accuracy and consistency in their data analysis
- Submitted 100+ critiques on pending academic papers averaging nearly 10 feedbacks per paper after examining their data analysis code

Iterate Labs, Ithaca, NY, ***Software Engineer Intern*** — May 2018 – August 2018
Iterate Labs is a start-up that focuses on human motion analytics to provide an industry 4.0 platform for optimizing workforce productivity and improving workers' safeties.
- Organized an API documentation library of 50+ Shell, Python, and JavaScript commands after reviewing company's entire backend of 40+ files
- Created visualizations in the frontend using React of wrist motion data analysis targeting manufacturing workers for company's MVP for series funding

The New York Times, New York, NY, ***Project Manager Intern*** — July 2017 – August 2017
- Conducted interviews with 20+ journalists and editors to collect private archives helping to create the current consolidated collection Timeseum
- Collected 2,000+ data inputs using Sheets and implemented Python queries required to edit any entries

EXTRACURRICULARS

Cornell Association of Computer Science Undergraduates, Ithaca, NY, ***Member*** — September 2017 – *Present*
- Participated in and attended start-up competitions, hackathons, research presentations, mentorship programs, and other tech-related events

Comcast NBC Universal, Virtual Development Experience — June 2020 – July 2020
- Attended professional development workshops and panel discussions with company executives (in lieu of Comcast internship canceled due to COVID-19)

iD Tech Stanford, Palo Alto, CA, ***Course Instructor*** — June 2019 – August 2019
- Designed curriculums in introductory algorithms and computer engineering, and created efficient learning systems to teach ESL students

PROJECTS

Fast Food Pre-Ordering Management Application— github.com/parkjmjohn/louies-backend — November 2020 – *Present*
- Constructed a universal API backend using FastAPI and PostgreSQL to work with online food ordering for local food trucks in the Ithaca region

Music Popularity Prediction Methods— github.com/parkjmjohn/ORIE4740/blob/master/musicAnalysis.pdf — May 2020
- Analyzed the efficiency of five statistical prediction methods that were applied on a dataset of over 250,000 songs to predict music popularity
- Indicated predictors for music popularity within some genres utilizing regressions, random forest, k-nearest neighbors, and linear discriminant analysis

Galarm— https://github.com/parkjmjohn/galarm — January 2020 – May 2020
- Developed a mobile alarm application using Swift in XCode to wake up users through the completion of menial (reCAPTCHA-like) tasks under alarm noises
- Entered startup competitions after strategizing a business model to collect human computation data from the application for data mining companies

SKILLS

Languages *(Proficient)*: Python • JavaScript • Java • R • SQL
(Sufficient): C • C++ • OCaml • Swift • Ruby • MATLAB • Cypher • Scheme • HTML
Tools: Git • Microsoft Office • FastAPI • Node.js • XCode • Ruby on Rails
Database Systems: PostgreSQL • MongoDB • Neo4j
Abilities: Object-Oriented Programming • Functional Programming • Data Analysis
Interests: The US Navy • Triathlons • Premier League • Falconry • Long Haired Dachshunds

AWARDS

The New York Times College Scholarship Programs — February 2017
- Winner of the $60,000 NYT scholarship "for students who have demonstrated academic achievement, a drive for success, and community service"