

Alan Gou

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Education

Columbia University

B.S. in Computer Science, Economics

May 2017

Experience

Palette

Cofounder | 12/2016 – 11/2017

Growth marketing and experimentation platform, funded by General Catalyst, winner of Columbia Venture Competition

Took company from serverless MVP to a full-fledged product with a static React frontend, Go backend, with data served using Postgres and AWS S3

Created early access email marketing push and accompanying metrics collection pipeline

Brought on and managed first engineering intern

Go, JavaScript, React, Redux, Postgres, AWS S3, Auth0

Droice Labs

Backend Engineering Intern | 9/2016 – 12/2016

Healthcare artificial intelligence startup that helps doctors prescribe the most effective drug combinations for patients, Columbia Almadworks Fall 2016 Funding Cohort

Build back-end integration of machine learning systems with Hadoop/Spark data storage and analysis platform

Create data transformation pipeline to feed patient Electronic Health Records (EHRs) to neural network models

Python, Scala, MongoDB, Flask, Hadoop, Spark

Jet

Software Engineering Intern | 5/2016 – 8/2016

E-commerce startup acquired by Walmart for \$3 billion

Built distributed pricing simulation service which calculates millions of product pricing changes through the pricing engine and integrated it with Jet's big data warehouse services

Created supporting web API for managing pricing algorithm inputs

F#, Azure Cloud, Kafka, and Redis

Awards and Activities

Columbia Venture Competition, First Place \$25,000 Grand Prize

Columbia Ignition Grant \$10,000 incubation grant for entrepreneurial innovation

Columbia x HLAB Led Columbia's collaboration with Japanese educational non-profit HLAB, directing 20 Columbia students in concert with our Japanese counterparts to organize HLAB's annual summer program managing over 300 Japanese high school students

Technologies

Professional customer research experience conducting market analysis and gathering data on customer usage metrics

Professional experience in Agile development, (Scrum, Kanban-based) and continuous integration

Frontend web development with HTML5, CSS, JavaScript, React, Redux, Angular

Backend web development with Python (Django and Flask), F#, Go

Database schema design and development with MongoDB, SQL

Professional programming in JavaScript, Python, F#, Go, academic experience with C/C++, OCaml