Samuel Kececi

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EDUCATION

Columbia University, School of Engineering — **New York, NY**
B.S. in Computer Science, minor in Economics — Expected May 2020

- **3.7 GPA**; Dean's List, Greenbaum Scholarship Recipient
- Beta Theta Pi Fraternity – Philanthropy Chairman (2017), Recruitment Chairman (2018)

The Pingry School — **Basking Ridge, NJ**

- **4.0 GPA, 2360 SAT Score**; Cum Laude Honor Society — Graduated June 6, 2016

EXPERIENCE

Salesforce — Indianapolis, IN / New York, NY

Software Engineering Intern — May 2018 - August 2018

- SMS Sending Latency Prediction: Developed using Splunk and Python with Tensorflow to predict duration of mass SMS sending across Salesforce Marketing Cloud channels
- Architected monitoring tools to identify outliers in send durations, error counts, and system memory/CPU; used by engineers across entire Messaging team to debug errors and greatly improve latency
- Wrote automation tests for Mobile Messaging API deployed across all QA environments (C# .NET)

Appraisal Systems, Inc — Morristown, NJ

Software Developer — June 2015 - August 2017

- Developed a scheduling web app for customers to match with a company representative; greatly improved efficiency of client appointment scheduling (Java and MySQL)
- Redesigned the front-end of website, increasing average user retention time and interactions per visit

Hermes Capital Advisors — New York, NY

Quantitative Finance Intern — May 2017 - July 2017

- Designed and implemented machine learning algorithms (Python, PyTorch) on stock market data to identify successful investment strategies
- Developed firm valuations using comparable company analysis and discounted cash flow analysis to determine suitable merger and acquisition targets for clients

PROJECTS

InfoJams

- Transmits information through SMS in the absence of cellular data; converts user input into Google Search API requests
- Returns website results, news, directions, weather, and more (Ruby on Rails and Twilio API)

C HTTP Web Server

- Designed and coded a web server from scratch in C; implements HTTP 1.0 and Sockets API
- Processes GET requests for static content and returns dynamic database records; uses multithreading, process spawning, and I/O multiplexing to handle requests efficiently

Broadband Deployment Analysis – Research Paper (Published in TPRC Journal)

- Analyzed the current trend of broadband deployments, focusing on demographic, economic, and technological factors
- Used a binary logistic regression to analyze the regression coefficients between broadband availability and demographic indicators of economic status, population change, and education
- Presented our research to lawmakers on Capitol Hill, offering data to support informed policy decisions

SKILLS

Programming Languages: Java, C, C++, Python, SQL, C# .NET, Ruby
Technical Skills: UNIX, git, make, Tensorflow, Keras, Excel, Agile/Scrum
Interests: Soccer, Ceramics, Skiing, Hiking, Cooking, Golf, French Language