

Kuber Sethi

☎ (732) 567-5964 | ✉ kuber.sethi@rutgers.edu | 🏠 kuberseethi.com | in kuberseethi

Education

Rutgers University

New Brunswick, NJ

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Expected May 2021

- Relevant Coursework: Data Structures & Algorithms, Design & Analysis of Algorithms, Intro to AI (Graduate Course), Distributed Systems, Systems Programming, Internet Technology, Principles of Programming Languages

Experience

Amazon Web Services

Seattle (Remote)

SOFTWARE DEVELOPMENT ENGINEER INTERN

June 2020 - September 2020

- Working on the AWS RDS with Hybrid Cloud team during Summer 2020.
- Working with technologies like **Java**, **Guice**, **Apache Kafka**, **gRPC**, and heavily using AWS RDS events through **SNS** and **CloudWatch**.

Ancestry

San Francisco, CA

SOFTWARE ENGINEERING INTERN

June 2019 - August 2019

- Worked on the Genomic Algorithms team expanding the ethnicity matching algorithm's implementation and tooling.
- Updated and improved ethnicity algorithm's usage of task queues, batch sizing, AWS **EC2** instance types, and caches.
- Created a tool to efficiently recompute ethnicity results for 15 million existing customers to provide the latest most accurate results.
- Built tool's front-end using **Vue.js**, back-end with **Python**, **Sanic**, and used tools like **Docker**, **Redis**, **Terraform**, and AWS **Fargate**, **Lambda**.

Techno-Comp

Franklin, NJ

SOFTWARE DEVELOPMENT INTERN

June 2017 - Aug 2017

- Worked with a team of consultants to design and construct a dashboard for Verizon Wireless to help management monitor AWS usage.
- Built the front-end of the dashboard with **Angular.js**, and used **Java** for the back-end to process data from Verizon's AWS **CloudWatch** page, AWS Billing page, and **Jenkins** pipeline.

Projects

Herald

CURRENT

- Building a web application with **Go** and **Python** to track article consumption, analyze reading habits, and routinely email relevant notes.
- Integrates with Pocket and Kindle to provide seamless user experience and intuitive use.
- Technologies used: **Hugo**, **Sendgrid**, AWS **EC2**, **S3**, **Redis**, and **MongoDB**.

Swoltrition

PENNAPPS XV

- Developed an **Alexa** skill using **Python** allowing users to retrieve nutritional information for a food, and track macronutrient intake.
- Connects to the USDA public database on food to receive official nutritional information for all foods and ingredients.

Starcraft II Machine Learning Bot

PENNAPPS XVII

- Implemented reinforcement learning techniques in **Python** using the **PySC2** framework to develop a self-learning bot for Starcraft II.
- Capable of different strategies and can beat in-game "Very Easy" and "Easy" AI opponents 100% of the time.

Skills

Languages Python, Go, Java, JavaScript, C, C++, HTML/CSS

Tools / Technologies Git, Docker, AWS, MongoDB, MySQL, gRPC, Flask, NumPy, Node.js, React, Kafka, Redis, RabbitMQ, Celery, Terraform

Leadership

FizzBuzz (CS Career Development)

- President of one of the largest CS organizations at Rutgers (150+ students engaged by organization initiatives).
- Organized 10+ events per academic semester for the 2019-2020 academic year.