SAMUEL PING

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EDUCATION

RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY
 New Brunswick, NJ
Rutgers Business School – New Brunswick
 Graduation May 2023
Intended B.S. in Computer Science
Degree in Business *(Undeclared)*
Relevant Coursework: Intro to Computer Science, Calculus II, Data Structures, Intro to Linear Algebra

PROFESSIONAL EXPERIENCE

RUTGERS OPEN SYSTEM SOLUTIONS
 Piscataway, NJ
Student Systems Programmer
 February 2020 – Present
- Migrated multiple **MySQL** databases from old servers over to new ones.
- Updated a homegrown script written in **Golang** that generates spreadsheets by parsing databases.
- Installed and configured Cacti networking monitor for Rutgers systems administrators.
- Updating and building **RPMs** in a **UNIX**-based environment.

LEADERSHIP

SCARLET COUNCIL
 New Brunswick, NJ
General Member
 December 2019 – Present
- Selected to organize an event for graduating seniors (cancelled due to COVID).
- Given the Scarlet Spirit award, awarded to one new member in the organization at the end of the year for showing high potential and dedication for the group.

UNDERGRADUATE ALLIANCE OF COMPUTER SCIENTISTS
 Piscataway, NJ
General Member
 September 2019 – Present
- Created and revised a guide for Rutgers students taking Data Structures.
- Mentored students at a local high school hackathon.

PROJECTS

STREET CRED (3rd place winner)   Capital One Software Engineering Summit Hackathon
https://github.com/samuel-ping/street-cred
 August 2020
- Web app that calculates your credit score and gives recommendations based on five main categories that make up your credit score.
- I helped build the **Python** backend that calculated the credit score and gave feedback and hosted it on AWS **Lambda** using **API Gateway** as the trigger. I also contributed to the **React.js** frontend by adding functions like client-side routing and customizing components like the logo and buttons.

FOOD MOOD
https://github.com/samuel-ping/food-mood
 March 2020 - Present
- Web app that makes restaurant suggestions based on emotional sentiment detected in user photo.
- Built with **React.js**, **Express.js**, and **Node.js.** Hosted on AWS **EC2** using **Nginx** as a reverse proxy. Commits to GitHub are automatically deployed using AWS **CodeDeploy** and **CodePipeline**. The app uses AWS Rekognition get the mood from the photo, and Yelp's Fusion API to find the restaurant.

SKILLS & INTERESTS

Technical: (Proficient) Java, Python, HTML/CSS, React.js, Node.js, Express.js
Technologies: UNIX, Git, AWS EC2, Lambda, API Gateway, S3, CodePipeline, CodeDeploy, Amplify, Cloudfront
Languages: English (native), Mandarin (fluent)
Hobbies: Tennis (11 years), Dramatic theater (5 seasons), PC building