

# 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

- Installed and configured Cacti networking monitor for Rutgers systems administrators.
- Updating and building **RPMs** in a **Unix**-based environment.

### CODE NINJAS

Princeton, NJ

*Code Sensei*

March 2019 – August 2019

- Helped teach children ages 7-14 how to program games and robots with Scratch, **JavaScript**, and Arduino.

## 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

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 the 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**, and 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, Express.js, React.js, Node.js

**Technologies:** Unix, Git, AWS EC2, Lambda, API Gateway, CodePipeline, CodeDeploy

**Languages:** English (native), Mandarin (fluent)

**Hobbies:** Tennis (11 years), Dramatic theater (5 seasons), PC building