

# 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

Bachelor of Science in Computer Science

Degree in Business (*Undecided*)

**Relevant Coursework:** Intro to Computer Science, Calculus II, Data Structures, Intro to Linear Algebra

## PROFESSIONAL EXPERIENCE

### RUTGERS OPEN SYSTEM SOLUTIONS | Systems Programmer

Piscataway, NJ

February 2020 – Present

- Setting up Cacti, a networking monitor for Rutgers systems admins.
- Updated **RPMS** in a completely **Unix**-based environment.

### CODE NINJAS | Code Sensei

Princeton, NJ

March 2019 – August 2019

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

## LEADERSHIP

### SCARLET COUNCIL | General Member

New Brunswick, NJ

December 2019 – Present

- Volunteering at events by efficiently signing people into events, networking with alumni, and tabling for Scarlet Council.

### UNDERGRADUATE ALLIANCE OF COMPUTER SCIENTISTS | General Member

Piscataway, NJ

September 2019 – Present

- Created and revised a helpful guide for Rutgers students currently taking Data Structures.
- Mentored students at a local high school hackathon.

## PROJECTS

### FOOD MOOD | (*GitHub: food-mood*)

March 2020 - Present

- A web app that takes your photo, detects your emotion from the photo, and suggests a restaurant based on that mood.
- Built with **React.js**, **Express.js**, and **Node.js**. It's an ERN stack! It is hosted on an AWS **EC2** instance using **Nginx** as a reverse proxy, and commits to the master branch on GitHub are automatically deployed to the EC2 instance using AWS **CodeDeploy** and **CodePipeline**. The app itself uses the AWS Rekognition API determine the mood from the photo, and Yelp's Fusion API to find the restaurant.

### WHICH BUS AM I SUPPOSED TO TAKE?!? | (*GitHub: Rutgers-Bus-Finder*)

HackRU Fall 2019

- A program mainly programmed in **Java** that uses the Transloc API to determine which currently active Rutgers buses to take after entering two bus stops.
- Coded backend using multiple data structures with another team member. Was first time implementing an API.

## SKILLS

**Technical:** (Proficient) Java, Unix, Python, Git, HTML/CSS/JavaScript, Express.js, React.js

**Programs:** Microsoft Office (Proficient), Adobe Photoshop & Illustrator (Novice)

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

**Hobbies:** Tennis (11 years), Dramatic theater (4 seasons), PC building