**SAMUEL PING**

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| **EDUCATION** | | | | | | | | | | | | | | |
| **RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY**  **Rutgers Business School – New Brunswick**  Intended B.S. in Computer Science  Degree in Business *(Undeclared)* | | | | | | | | | | New Brunswick, NJ  Graduation May 2023 | | | | |
| **Relevant Coursework:** | | | | | Intro to Computer Science, Calculus II, Data Structures, Intro to Linear Algebra | | | | | | | | | |
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| **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. | | | | | | | | | | | | | | |
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| **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. | | | | | | | | | | | | | | |
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| **PROJECTS** | | | | | | | | | | | | | | |
| **STREET CRED (3rd place winner)** | | | | | | Capital One Software Engineering Summit Hackathon | | | | | | | | |
| [*https://github.com/samuel-ping/street-cred*](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*](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. | | | | | | | | | | | | | | |
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| **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 | | | | | | | | | | | | | |