

SAMUEL PING

Lawrence Township, NJ 08648 • (609) 789-8897 •

samuelping.me • samuel.y.ping@gmail.com • [linkedin.com/in/samuelping](https://www.linkedin.com/in/samuelping) • github.com/samuel-ping

EDUCATION

RUTGERS UNIVERSITY – NEW BRUNSWICK, SCHOOL OF ARTS & SCIENCES

Bachelor of Science in Computer Science, Minor in Business Administration

Cumulative GPA: 3.76/4.00

New Brunswick, NJ

Expected: May 2023

WORK EXPERIENCE

Student Systems Programmer @ RUTGERS OPEN SYSTEM SOLUTIONS

February 2020 – Present

- Leading the development for Shrunk, the official Rutgers URL shortener.
 - Writing new front-end features for sharing URLs with people and organizations in **React** and **TypeScript**. Added feature that checks if shortened URLs redirect to banned links in **Python** (using **Flask** library), increasing application security.
 - Constantly writing + updating documentation. Enforcing best practices on GitLab with versioning, changelog, issues, pull requests, code reviews, and more.
 - Publishing application updates to PyPi. Maintaining a repository mirror from GitLab to GitHub.
 - Running deployments on both test servers and production servers.
- Working with eDiscovery team to debug, update and maintain business-critical scripts written in **Golang**.
- Migrated multiple **SQL** databases to **Docker** containers.
- Building and updating **RPMs** used in a user community of 70,000 people in a **UNIX**-based environment.
- Install, configure, and evaluate Cacti networking monitor for networking technicians.

LEADERSHIP

Project Lead @ HACKRU

September 2020 - Present

- Leading the development of Sledge, a hackathon submissions and judging system, from scratch.
- Written in **React.js**, **Express.js**, **Node.js**. Tested using **Jest** and **Supertest**.
- Set up hosting on **AWS EC2** using **Nginx**. Added GitHub Actions and **AWS CodeDeploy** with **bash scripts** for **continuous integration** and **deployment**.
- Built script that generated judging tables for virtual hackathon in Slack using **JavaScript**, greatly reducing the amount of time setting up the judging channels by 167%.

Tech Director @ UNDERGRADUATE STUDENT ALLIANCE OF COMPUTER SCIENTISTS

September 2019 – Present

- Promoting and inspiring the Rutgers CS community to keep learning, coding, and building projects.
- Mentored two computer science undergraduates at Rutgers, providing both academic and career advice, when warranted. Created a **Git** tutorial website for them by using **HTML/CSS** and hosting it on GitHub.

PROJECTS

FOOD MOOD *React.js, Express.js, Node.js, AWS Amplify, Various APIs*

<https://github.com/samuel-ping/food-mood>

- Web app that makes restaurant suggestions based on emotional sentiment detected in user photo.

CHAT_STAT *Python 3*

https://github.com/samuel-ping/chat_stat

- CLI tool that parses message history and displays charts and statistics about the messaging history.
- Written in Python, with a focus on object-oriented programming and following best practices.

STREET CRED *Python, React.js, AWS Lambda*

<https://github.com/samuel-ping/street-cred>

- Web app that calculates credit score and gives recommendations on improving it based on five main categories that make up credit scores.
- Won 3rd place in the Capital One Software Engineering Summit Hackathon.

SKILLS & INTERESTS

Programming Languages: Proficient in C, Java, & Python. Familiar with JavaScript and TypeScript.

Technologies: UNIX-based OS, Git, AWS (EC2, Lambda, S3, CodeDeploy, Amplify, and more), HTML/CSS, React.js, Node.js, Express.js, Next.js, MongoDB, APIs, RPMs, Netlify CMS, Website hosting, Nginx

Hobbies: Tennis (12 years), Dramatic theater (6 seasons), Computer hardware, succulent gardening