Christopher Josef Rosenblatt

rosenblc@purdue.edu | 908-307-5007
github.com/crosenblatt | crosenblatt.github.io

Objective
An entry level software engineering position starting early 2021 where I can hone my existing skills and learn new ones.

Education
Purdue University — West Lafayette, IN
- Bachelor of Science in Computer Science — Expected December 2020
- Bachelor of Science in Mathematics — Expected December 2020
- Current GPA: 3.98/4.0
- Awards and Honors: Dean's List & Semester Honors (All Semesters); Multiple Scholarships

Work Experience
Research Intern – Smart Information Flow Technologies — Minneapolis, MN
- Created a Flask-based Python API using OpenAPI 3.0 and implemented methods for interfacing with Common Lisp scripts using the cl4py library — May 2020 – August 2020
- Wrote Python scripts to generate, analyze, validate, and test PDDL problem files for various domains of interest
- Built a LaTeX parser using Python to extract information about PDDL problem execution at incremental time steps
- Used the SHOP3 planning tool to analyze problem domains and determine optimal plans of execution
- Used GitLab CI/CD to expedite and automate repetitive work, including building and deploying multiple Docker images

IT Intern – Union Pacific Railroad — Omaha, NE
- Created, tested, and documented multiple APIs for B2B integration with external customers using Spring with Maven build tools — May 2019 – Nov. 2019
- Worked closely with business partners to define standardized schema and terms for APIs using OpenAPI 3.0
- Researched, created, and presented a process for automatically generating UP-standard documentation for the new external APIs using Spring Rest Docs, MockMVC, and Asciidoctor
- Implemented mocking capabilities into APIs using WireMock and Jenkins for easy customer testing
- Worked with other interns to standardize, document, and present the process for creating APIs so work can continue efficiently into the future
- Chosen to continue work as a part-time remote intern during Fall 2019 semester

Undergraduate Teaching Assistant – Purdue University — West Lafayette, IN
- Assisted 50+ students in programming lab exercises (C Programming, Systems Programming) — Fall 2018 – Present
- Acted as Project Manager and Mentor for two teams completing semester-long projects (Software Engineering)
- Co-lead sessions for students to practice and review algorithms problems (Intro. to the Analysis of Algorithms)

Personal Projects
GovHub — West Lafayette, IN
- Software Testing class team project — Fall 2019
- Web App built for citizens of a town or city to report various issues and local governments to track and resolve them
- Contribution: Worked on all parts of the stack, implementing an "issue list" page and robust Google Maps integration
- Frontend written in Angular, backend in Node.js/PostgreSQL

Wizard Duel 2 — West Lafayette, IN
- Software Engineering class team project — Spring 2019
- Real-time online combat game featuring resource management, a leveling system, and skill-based matchmaking
- Contribution: Worked on setting up Node.js server with socket.IO and worked heavily on Android frontend, especially to implement core gameplay loop
- Acted as team's Scrum Master

Skills
Languages: Proficient in Java, C, C++, Python; Experience with HTML/CSS/JS (incl. Angular and Node.js), Swift
Operating Systems: MacOS and Windows; Experience with Linux
Tools: Git/GitLab, Bash/Zsh, Unix, OpenAPI/Swagger, IntelliJ, VSCode, Vim, Xcode, Android Studio, Docker, SQL, Maven, Spring, Flask, JUnit, Asciidoctor/Markdown, LaTeX

Leadership
Director of Hello World Hackathon — West Lafayette, IN
- Leader of Purdue's freshman-only hackathon — Spring 2020 – Fall 2020
- Organize a virtual hackathon for 300+ students, overseeing UX, Comms, Finance, Dev, and Design teams