620 Park Ave STE 259
Rochester, NY 14607

RUBY C. SULLIVAN

(251) 586-2749
ruby@stuffby.cc

WORK EXPERIENCE

Researcher   **Simone Center, RIT**   **Spring 2021**

- Performed customer discovery and product validation for a technology education start-up.
- Coordinated a group of student researchers from a variety of science and engineering backgrounds.
- Created and delivered technical and investment presentations.

Software Engineer, Co-op   **Bryx, Inc.**   **Summer 2016 – Winter 2016**

- Designed and developed new web-based applications for first responders.
- Maintained public website and performed level 1-2 tech support.
- Personal project laid the groundwork for a new product.

Lead Coding Instructor   **ICanCodeClub**   **Fall 2014 – Fall 2017**

- Taught students 1st-12th grade the basics of programming with the use of game design, robotics, and animation.
- Created and distributed curriculum for 100+ students in both short-term and long-term lesson programs.
- Listened to and incorporated the needs of students and parents into individualized lesson plans.

EDUCATION

Rochester, NY   **Rochester Institute of Technology**   **August 2014 – May 2021**

- B.S. in Computer Science w/ Minor in Software Engineering | Honors: Magna Cum Laude
- **Major Coursework:** Concepts of Computer Systems; Software Engineering Foundations; Programming Language Concepts; Analysis of Algorithms; Cryptography; Data Communication & Networks; Data Management; Parallel & Distributed Systems; Data Mining; Data Cleaning & Preparation
- **Minor Coursework:** Software Process & Project Management; Engineering of Software Subsystems; Human Centered Requirements & Design; Web Engineering

TECHNICAL EXPERIENCE

Projects

- **Laser Electronics** (2020). Business website for a family member's company. Javascript, React, Gatsby, Node.js, AWS
- **WoolBrain** (2016). Esoteric language interpreter built in unmodified Minecraft. Used to teach programming language concepts to grade school students.
- **BudgetManager** (2014). Algorithmic budgeting tool built for a high school research project and continued in college. Java, SQL, XML

ADDITIONAL EXPERIENCE AND AWARDS

- **Volunteer (2016-present):** Organized and/or volunteered for multiple charity speedrunning events, such as Games Done Quick, RPG Valkyries, and Power Up With Pride.
- **Alumnus, Computer Science House (2014-present):** Living learning community focusing on technology and professional development at Rochester Institute of Technology.
- **President's Recognition, ASMS (2014):** One of 6 students to receive a distinction from the school president at graduation. Received recognition due to academic drive and technological aptitude.

LANGUAGES AND TECHNOLOGIES

- Java; Javascript; React; jQuery; Python; C; Ruby on Rails; JSON; XML; LaTeX
- Visual Studio; MySQL; MATLAB; pandas; Node.js; NodeCG; Gatsby; Jekyll