Jack Rybarczyk, Software Engineer

Minneapolis, MN | rybarczykj@carleton.edu

JackRybarczyk.com | github.com/rybarczykj

Education

Carleton College | Northfield, MN   Class of 2022
- B.A. in Computer Science, Minor in French
- 3.76 GPA (3.94 within Major)

Relevant Coursework:
- Algorithms, Data Structures, Software Design, Programming Languages, Computability and Complexity, Calculus 2, Computational Media

Coding

Technical Skills
- **Python**, Java, C, Scheme, SQL, Git, HTML, CSS, UX Design, AWS, Terminals, Adobe Illustrator, LaTeX

Personal projects
- Wrote a Python tool to render pixel art on when2meet.com, a collaborative schedule planning website
- Built a Flask web app to display Billboard chart lyrical data over the past 50 years based on queries
- Designed various command line visualizations of school CS projects and algorithms

Work Experience

Software Consultant & Intern | *bpython / Curtsies*   June 2020 – Aug 2020
- Contracted for **bpython**, a fancy interface to the python REPL with 40,000 downloads a month (1.5 million overall), and **curtsies,** a python library used by tens of thousands for interacting visually with the terminal
- Solved various high priority issues and implemented features to high user praise: *"this will dramatically improve my experience"*
- Led initiative to drop Python 2 support, saving 400+ of lines of code throughout the codebase
- Added support for fullwidth Unicode characters, allowing users to non-Roman characters (and emojis!)
- Redesigned frontend to perform attribute suggestion and autocomplete more intuitively
- Improved developer relations by establishing a guide for new contributors, creating more comprehensive documentation, and building example programs to show off features

Resident Assistant (**RA**) | *Carleton College Residential Life*   Aug 2019 - Present
- Fostered a tight-knit, inclusive, and informed community of 35 diverse undergrads in a residential hall setting
- Collaborated with Co-RAs to plan and execute creative programs and events, including campus-wide event with 70+ attendance
- Led and facilitated training activities attended by over 60 RAs

Office Assistant | *Carleton College Office of Admissions*   Sep 2018 - June 2019
- Led tours, helped with events, and assisted with day-to-day office operation to ensure Carleton
- Communicated with Carleton prospective students and alums in person, online, and by mail

Barista | *Starbucks*   Oct 2017 - Jan 2020
- Demonstrated excellent customer service to reflect employer's 'Third Place' values
- Handcrafted hundreds of different beverages daily from memory and in accordance with company standards and health codes

Extracurriculars

Improviser | *Carleton Cujokra Improv Comedy*
- Perform monthly shows for large crowds led workshops that introduced people to improv

Athlete, Civic Engagement Officer | *Carleton Gods of Plastic Ultimate Frisbee*
- Planned, designed, and oversaw all uniform orders and fundraisers
- Worked with campus groups, and facilitated events to keep the team educated in anti-racism