Jack Rybarczyk

JackRybarczyk.com | rybarczykj@carleton.edu | 763-742-8361

Education

Carleton College | Northfield, MN (Class of 2022)

- B.A. in Computer Science, Minor in French; GPA 3.76 (3.94 within Major)
- *Selected Coursework:* Data Structures, Algorithms, Software Design, Math of CS, Programming Languages, Calculus 2, Intro Stats

Experience

Software Consultant & Intern | Thomas Ballinger (Summer 2020)

In a summer akin to Google summer of code, I contracted for **bpython**, a fancy interface to the standard python REPL— entirely free & open source, with 40k downloads a month (1.5 million overall). GitHub

- Added much-requested support for fullwidth Unicode characters, allowing users to use languages with non-Roman alphabets (also emojis!)
- Led initiative to drop Python 2 support, saving hundreds of lines of code by refactoring sections of the codebase to Python 3 features
- Fixed a 5-year old issue which prevented users from typing long inputs in certain important contexts, *"this will dramatically improve my bpython experience"* – one contributor
- Revamped frontend to provide and autofill attribute suggestions more intuitively
- Made repo more friendly to new contributors by adding documentation and comments.

I also contributed to **curtsies;** an open source library used by bpython and thousands of other projects for visual interactions with the terminal GitHub

- Improved developer relations by beefing up ReadTheDocs, and adding guidelines for contributors, and coding example programs
- Reformatted inconsistent codebase, and formally defined format standards
- Used my familiarity with the code to close many small issues on GitHub

Resident Assistant (RA) | Carleton College Residential Life (Fall 2019 - Present)

- Fostered a tight-knit, inclusive, and informed community of 35 diverse undergrads through floor events, meals, conversation, and conflict mediation
- Led and facilitated training activities for 50+ RAs

Coding

Relevant projects

- For an early CS class, I created a Flask web app with python and PostgreSQL to visually display lyrical trends over the past 50 years. See it at lyrics.jackrybarczyk.com
- Wrote a script to make pixel art on a popular site to schedule group meetings: GitHub
- Adapted various school CS projects and algorithms into cool command line visuals.

Comfortable with:

Python, Java, HTML, CSS, git, SQL
Terminals, Object Oriented Programming

Experience with:

JavaScript, Flask, AWS (S3, CloudFront, EC2)
Linux, Adobe Illustrator, LaTeX

Other Interests

Activities

- Design, French, Improv comedy, Ultimate Frisbee, Biking, Barista-ing