Jack Rybarczyk

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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, Computational Media, Calculus 2

Experience

Software Consultant & Intern | Thomas Ballinger (Summer 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
- Led initiative to drop Python 2 support, saving 100's of lines of code throughout the codebase by refactoring sections to use Python 3 features
- Reorganized data structure of user history to allow for long inputs that previously broke the session upon access. One user said about the change: *"this will dramatically improve my experience"*
- Redesigned frontend to perform attribute suggestion and autocomplete more intuitively
- Added much-requested support for fullwidth Unicode characters, allowing users to use languages with non-Roman alphabets (also emojis!)
- Improved developer relations by establishing a guide for new contributors, more comprehensive documentation, and example programs to show off features

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

Office Assistant | Carleton College Office of Admissions (Sep 2018 - June 2019)

- Communicated with Carleton prospective students and alums in person, online, and by mail
- Led tours and helped plan admissions events

Programming

Personal projects

- Built a Flask web app using python and PostgreSQL to visually display lyrical trends over the past 50 years, created for an early CS class. See it at lyrics.jackrybarczyk.com
- Wrote a script to make fun pixel art on a site used to schedule meetings: GitHub
- Programmed various command line visual adaptations of school CS projects and algorithms

Comfortable working with:

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

Experience working with:

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

Other

Extracurriculars

Carleton Cujokra Improv Comedy | As improviser in Carleton's oldest comedy group, I perform monthly shows for large crowds and lead workshops to introduce people to improv

Carleton Gods of Plastic Ultimate Frisbee | As player and board member one of the most successful and historic D3 college ultimate teams in the nation, I also plan and oversee all uniform orders and fundraisers