

# Bailey Defino

G: <https://github.com/bdefino>

E: [bailey.defino \[delimiter\] stonybrook.edu](mailto:bailey.defino@stonybrook.edu)

W: <https://bdefino.github.io>

## Education

- College of Engineering and Applied Sciences, Stony Brook University
  - Bachelor of Science, Computer Science, May 2021
- Rochester Institute of Technology
  - SUNY New Paltz
- 4.0 New Paltz Central High School, New Paltz, NY
  - Advanced Regents Diploma, June 2017

## Courses

- Algorithms (CSE 373)
- Finite Structures & Combinatorics (AMS 301)
- Patterns, Multithreading, & Software Development (CSE 219)
- Probability & Statistics (AMS 310)
- MIPS Architecture & Assembly (CSE 220)
- Data Structures (CSE 214)

## Projects

### Anonymous Private Messaging System <>; September 2018 – Present

Designing and building an anonymous, fault-tolerant, and extensible PM application. Written in pure C, with a severe emphasis on security (release is pending until it's hardened). A collaboration with Owen Sheekey <<https://owensheekey.com>> of the University of British Columbia.

### Redundant Array of Independent Filesystems <>; December 2018 – Present

Designing and implementing a filesystem-level RAID (partial-)analog.

### Spidering Framework <<https://bdefino.github.io/spider.html>>; May 2018 – August 2019

Constructed an extensible (and executable) web spider library.

### SOCKS Version 5 Library <>; June 2019 – Present

Writing an extensible RFC 1928-compliant proxy client/server library in C, with a chaining extension.

## Technical Experience

C	Python	POSIX Shell	R	Bash	Java
IDLE2	Git	GCC	RStudio		
Void Linux	Windows 7				

## Work Experience

### Property Manager for a private employer in London, UK; from June 2019 – August 2019

Hired/managed contractors, documented progress, general IT work, worked > 40-hour weeks.

### General Employee for Krause's Chocolates in New Paltz, NY; May 2016 – June 2017

Packing chocolates, helping customers, restocking, and cleaning.

### Babysitting in New Paltz, NY; May 2016 – June 2017

Babysat two boys ages 5 & 8, 1-2 times a week

## Interests/Hobbies

- Japanese Sword Work
  - August 2015 – Present
- Teaching since 2018

Favorite Books: *Hagakure*, *Kafka on the Shore*, *The Wind-up Bird Chronicle*