Collin **Tod**
COMPUTER SCIENCE STUDENT

☐ (203) 917-2537 | ✉ collinttod@gmail.com | ⬡ squablyScientist

EDUCATION

Rochester Institute of Technology   *Rochester, New York*
BACHELOR DEGREE IN COMPUTER SCIENCE   *2017 - 2022*
GPA: 3.88

PROJECTS

Clades Cīmicum   *March 2018*
GITHUB.COM/SQUABLYSCIENTIST/CLADES-CIMICUM
Solo project. Translates to: 'Bane of Bugs'. Rudimentary debugger that can read arbitrary memory from any process running on the current machine. Worked with C to create this project.

Allocātor Parvulōrum   *July 2018 - Present*
GITHUB.COM/SQUABLYSCIENTIST/ALLOCATOR-PARVULORUM
Solo project. Custom memory allocator that prioritizes space efficiency over time efficiency, succeeds at keeping the heap as small as possible. Written in C.

Kernel Convolver   *July - August 2018*
GITHUB.COM/SQUABLYSCIENTIST/KERNEL_CONVOLVER
Solo project. A custom kernel convolver written in python. Takes a tensor as a kernel and convolves it around another tensor generated from an input image, and then outputs the newly convolved image. Can be used to blur, sharpen, edge define, or perform other operations on images. Worked with numpy to achieve functionality.

WORK EXPERIENCE

Coding Tutor   *New Haven, Connecticut*
ID TECH CAMP   *July 2018 - August 2018*
Spent six weeks tutoring students how to program in various languages.

Editor & Cameraman   *Newtown, Connecticut*
NEWTOWN BOARD OF EDUCATION   *August 2013 - July 2017*
Filmed Board of Education meetings, city council meetings, and inter/intramural sports games. Edited resulting footage for later viewing.

SKILLS

LANGUAGES

- **PROFICIENT**
  - C
  - Java
  - MIPS / General ASM Languages
  - Python
  - Bash
  - LaTeX
- **ACTIVELY LEARNING**
  - HTML/CSS
  - JavaScript

PROGRAMS / ENVIRONMENTS

- GNU/Linux and Unix-like systems
- Vim
- Jetbrains products

EXTRACURRICULAR

2017-Now	**Member**, Computer Science House at RIT
2018	**Publicist**, RIT AI Club
2014-2017	**Co-Captain**, Newtown High School Debate Team
2015-2017	**Treasurer**, Newtown High School Technology Team

COURSES

2016	**CS50**, Harvard University
2017	**CSAPX**, RIT
2018	**Mech. of Programming**, RIT

VOLUNTEERING

2014-2017	**Cameraman/Editor**, Newtown Board of Ed