

# RYAN POPE

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## PROFESSIONAL SUMMARY

High-performing student and software engineer, completing Bachelor of Science degree in Computer Science. Quick learner who enjoys taking on new challenges, and reliably delivers in fast-paced, goal-driven environments. Experienced in Python, C++, and JavaScript.

## EDUCATION

### UNIVERSITY OF VIRGINIA

Charlottesville, VA

**B.S., Computer Science** | May 2022

**Minor:** Engineering Business

**GPA:** 3.78 / 4.0 | **Major:** 3.95 / 4.0

## COURSEWORK

### UNDERGRADUATE

- + Program & Data Representation
- + Discrete Mathematics
- + Digital Logic Design
- + Software Development Methods
- + Algorithms
- + Theory of Computation
- + Intro to Data Science w/ Python
- + Metaprogramming

## SKILLS




### EXPERIENCED

Python · C++ · HTML · CSS · JavaScript  
Technical Presentations & Writing  
Team Management




### PROFICIENT

Java · Unix · Git · PHP · PostgreSQL

## LINKS

-  [github.com/popestr](https://github.com/popestr)
-  [linkedin.com/in/rcpope](https://linkedin.com/in/rcpope)
-  [rcpope.net](https://rcpope.net)

## CONTACT

-  [rcpope7@gmail.com](mailto:rcpope7@gmail.com)
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Charlottesville, VA 22903

## EXPERIENCE

### UNIVERSITY OF VIRGINIA Database Developer

July 2020 – Present | Remote

- Worked with faculty in both the Religious Studies and Computer Science departments to optimize, organize, and develop queries for the Nauvoo Early Mormon Marriages Database.
- Gained expertise working with PostgreSQL and PHP to query/manage the database, as well as custom JavaScript and HTML to develop tools for researchers to create custom queries.

### ALLIANCE COMMUNITY MANAGEMENT Freelance Web Developer

May 2020 – Sep 2020 | Remote

- Worked in close communication with the owner of ACM to design and develop a comprehensive and intuitive corporate website.
- Development environments/languages included WordPress as well as custom PHP, SQL, and JavaScript.

### HELIX ELECTRIC Project Engineer Intern

June 2019 – August 2019 | Chantilly, VA

- Verified documentation and purchase orders for accuracy.
- Created and managed inventory spreadsheets.
- Organized site layouts, blueprints, and other various documents.

### REBOOT FOR YOUTH President

September 2016 – September 2018 | Reston, VA

- Recruited new volunteers and managed weekly meetings.
- Managed the acquisition, refurbishment, and distribution of computing hardware to those in need.
- Conducted new member training and served as an integral member of the technical team.
- Spearheaded community outreach campaigns, effectively led a large team, and developed innovative ways to manage operation logistics.

### STEMBASSADORS Volunteer Teaching Assistant

September 2016 – June 2018 | Alexandria, VA

- Planned and delivered numerous activities and special events for STEM clubs and organizations.
- Provided STEM instruction during summer classes in coordination with an established curriculum.

## PROJECTS

*Additional course-related projects available upon request.*

### PI2DIODE Raspberry Pi-compatible LED control library

November 2019 – Present | <https://github.com/popestr/pi2diode>

- Built a basic open-source LED control library using the PiGPIO Python library, logic-level MOSFETs and SMD-5050 LED strips.