

# 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 Go, C++, JavaScript, HTML/CSS, and PostgreSQL.

## EDUCATION

### UNIVERSITY OF VIRGINIA

Charlottesville, VA

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

**Minor:** Engineering Business

**GPA:** 3.86 / 4.0 | **Major:** 3.98 / 4.0

## COURSEWORK

### UNDERGRADUATE

- + Program & Data Representation
- + Cloud Computing
- + Computer Graphics
- + Software Development Methods
- + Algorithms
- + Artificial Intelligence
- + Operating Systems
- + Database Systems

## SKILLS



### EXPERIENCED

Go • C++ • HTML • CSS • JavaScript  
SCSS/Sass • Python • PostgreSQL  
Team Management

### PROFICIENT

Java • PHP • Node.js • Docker • AWS  
Unix • Git

## LINKS

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

## CONTACT

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## EXPERIENCE

### YEXT Consulting Software Engineer Intern

June 2021 – Aug 2021 | Arlington, VA

- Contributed to full-stack web development projects for dozens of major clients. Developed responsive frontend apps using Google Closure Templates, Sass and JavaScript, database integrations in Go, and monitoring dashboards in Java.
- Planned and executed a summer-long project, migrating the build process for all of Yext's client sites into internal continuous integration tools. Built an extensive suite of Go migration scripts, leading to an estimated 20% increase in developer efficiency.
- Consulted with a highly collaborative team of software engineers, technical consultants and designers, consistently producing quality deliverables and meeting clients' needs.
- Employed Schema.org tagging techniques to optimize client searchability, visibility and result quality on major search engines.

### UNIVERSITY OF VIRGINIA Database Developer

July 2020 – June 2021 | 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/HTML to develop new tools for researchers to execute custom queries.

### 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.
- Spearheaded community outreach campaigns, effectively led a large team, and developed innovative ways to manage operation logistics.

## PROJECTS

### 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.

*Additional course-related projects available upon request.*