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**
 linkedin.com/in/**rcpope**
 rcpope.net

CONTACT

 rcp3by@virginia.edu
 (703) 350-5944
 102 Stadium Rd., Unit A
 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 to develop plugins for the frontend Drupal page.

ALLIANCE COMMUNITY MANAGEMENT   Freelance Web Developer
May 2020 – Present | 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.