Peyton Pope

Lynchburg, VA
peytonpope24@gmail.com ✉
peytonjpope.com 🌐

Pursuing a Computer Science degree with strong interests in object-oriented software engineering, web application development, and data science. Seeking a hands-on summer internship at a people-first organization.

EDUCATION

Liberty University, *Lynchburg, VA*   Spring 2027 (Expected)
Bachelor of Science in Computer Science
- Concentration in Data Science & Software Engineering | GPA: 3.81

EXPERIENCE

Pioneer Bible Translators, *Dallas, TX (In-Person)*   Summer 2025
Software Development Intern
- Collaborated on an Elixir Phoenix web application for managing and logging interactions between 500+ teammates and a team of counselors; participated in biweekly feedback meetings to refine features
- Concepts: Model-View-Controller (MVC), relational database design, database migrations, schema changeset validation, form handling, secure authentication/authorization, test-driven development, etc.
- Technologies: Elixir, Phoenix framework, Ecto (with PostgreSQL), TablePlus (database management), ClickUp (project management), Bitbucket (code collaboration), Git (source control)

College of Applied Studies & Academic Success, *Liberty University*   Winter 2024 - Current
Computer Science Tutor
- Guided undergraduate students through complex computer science concepts: algorithms, data structures, classes and objects, inheritance and composition, general programming, etc.
- Provided one-on-one sessions with live coding utilizing primarily C++ in Microsoft Visual Studios
- Earned Tutor of the Month (March 2025)

Office of Spiritual Development, *Liberty University*   Spring 2024 - Current
Resident Shepherd
- Conducted 30+ interviews with university students to assess leadership capabilities, hired 6 to be residence community group leaders
- Co-led leadership team meeting involving 10 peers 2 times per week with the purpose of monitoring and cultivating residence hall culture

SKILLS

Programming: Data Structures & Algorithms (C++, Python), Object-Oriented Programming (C++), Database Design (SQL, Postgres), Data Analysis & Visualization (Python, R, Pandas, BeautifulSoup, matplotlib), Version Control (Git), Code Collaboration (BitBucket), Web-Applications (Phoenix Framework, HTML5/CSS/JS)
Interpersonal: Technical Communication (articulating complex topics), Peer Leadership, Team Management

PROJECTS

SignCraft (signcraft.peytonjpope.com)
Phoenix, Postgresql, Fly.io
- Live Phoenix Web-App with database and users
- Created for ASL practice and retention

College Football Playoff Prediction Model
XGBoost, Pandas, Python
- Kaggle project involving all steps of Data Science
- Preparation, cleaning, visualization, modeling