# Virginia Polytechnic Institute and State University

# Evan Phaup

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LinkedIn Profile

804-929-8843

## Education

**Washington and Lee University** – Class of 2022 (Sep 2018 – May 2022)

Lexington, VA

Bachelor of Science, Computer Science Major, Data Science – Business Analytics Minor
Overall GPA 3.52 | Major GPA: 3.51

**Relevant Coursework**: Fundamentals of Programming I, Calculus I, Fundamentals of Programming II, Calculus II, Introduction to Robotics, Software Development, Multivariable Calculus, Computer Organization, Programming Language Design, Bridges to Advanced Mathematics, Advanced Topics in Robotics, Theory of Computation, Parallel Computing, Probability, Artificial Intelligence, Linear Algebra, Introduction to Accounting, Introduction to Data Science for Business, Neuromorphic Computing, Applied Statistics, Data Mining for Business Analytics, Algorithm Design and Analysis, Video Game Design

**Extracurricular Activities**:
 • External Vice President, Alumni Relations Chairman, and Recruitment Chairman of Pi Kappa Alpha Fraternity, Pi Chapter
 • Sales Assistant at Washington and Lee University Store
 • Member of California Mock Convention Delegation

**Virginia Tech, College of Engineering** – Class of 2024 (Aug 2022 – Dec 2023)

Blacksburg, VA

Master of Engineering - MEng, Computer Science

**Relevant Coursework**: Ethics and Professionalism in CS, Data Analytics I, Advanced Machine Learning, Web Application Development

## Computer Skills and Recent Projects

**Programming Languages & Skills**
 • Fluent: Java, Python, C, C++, SQL, R, HTML, CSS, JavaScript
 • Working Knowledge: Scheme, Racket, LC3 Assembly, OCaml
 • Familiar Interfaces: GitHub, LaTeX, Excel, RStudio, Exploratory.io, Servlet, JSP
 • Skills: Agile Development, Communication, Investigation,

**Digit Recognition using Feed Forward Neural Network**
 • Used supervised learning of the MNIST data set to reach 99% accuracy when identifying hand-written digits with Python

**FreeCell**
 • Worked with a team of two others to create a fully functional FreeCell application with Java.

**Autonomous Maze Navigation**
- Led efforts to program a small, four-wheeled, Arduino-powered robot to autonomously navigate through a walled maze.

**Latent Semantic Analysis**
- Applied the Latent Semantic Analysis (Indexing) algorithm to rank documents in a semantic web search

**Pocket Peters**
- Used the pygame module to create a Pokémon-inspired turn-based combat demo based off of characters from Family Guy.