

# David R. Vaughan

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## Summary

- Upcoming senior, skilled in software engineering and programming
- Experienced in designing, using, and analyzing algorithms and data structures to solve problems
- Strong foundations in discrete and applied mathematics
- Able to quickly learn new concepts, tools, languages, and APIs
- Knowledgeable in principles of software design, development, and testing
- Skilled in communication and leadership

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## Accomplishments

- Earned 3<sup>rd</sup> place in UNR's coding competition, advanced bracket
- Coding team placed in the top half at the ACM ICPC regionals

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## Education

University of Nevada, Reno -- Graduating May 2017

- **Pursuing Bachelor of Science in:**
  1. **Computer Science and Engineering**
  2. **Discrete Mathematics / Operations Research**
- Dean's List: College of Engineering and College of Science
- Courses completed:
  - Analysis of Algorithms
  - Data Structures
  - Programming Languages
  - Operating Systems
  - Graph Theory and Combinatorics
  - Deterministic Operations Research
  - Probability Theory
  - Convex Optimization
  - Artificial Intelligence
  - Compiler Construction
  - Mathematics of Computer Science
  - Automata and Formal Languages
  - Game Theory
  - Calculus I, II, III
  - Linear Algebra
  - Real Analysis

Machine Learning by Stanford University on Coursera. Certificate earned on August 24, 2016

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## Work Experience

- **Software Engineer (Intern) -- Amazon.com** -- Summer 2016
  - Supply Chain Optimization Technologies (Economic Ordering Models)
- **Grader -- UNR** -- Academic year 2015-2016
  - Math 486, Game Theory
  - CS 456, Automata and Formal Languages
- **Software Engineer (Intern) -- Soar BioDynamics** -- 2014-2015
  - Implement medical data analysis software

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## Tools / Technologies / Languages

- C/C++, Java, Python, some experience with other languages including Lisp and MATLAB
- Linux/Unix, Windows, Git, and various other command line and GUI tools

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## Organizations / Leadership

- President of UNR's chapter of the Association for Computing Machinery (ACM)
- Secretary of UNR's chapter of Tau Beta Pi
- Member of Phi Kappa Phi