

Trevor Danielson

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Education

Stanford University- Stanford, CA (2014 – Present)

- B.S. Candidate in Computer Science, School of Engineering (GPA 3.29)
- Relevant Course History: Computer Organization and Systems, Unix, Programming Abstractions, Programming Methodology, Program in Writing and Rhetoric, Multivariable Calculus, Introductory Electronics, (tentative for Spring '16, Principles of Computer Systems, iPhone Application Development)

Newberg High School - Newberg, OR (2010-2014)

- Valedictorian
- 4.0 GPA with honors

Work and Project Experience

Sample Projects:

- **Implementation of Vector and Hash Map in 'C'**
 - Project enhanced understanding in the organization, management and manipulation of raw data.
 - Extensive practice and improvement in memory management and debugging using GDB and Valgrind.
 - Experience in generic void pointers and memory operations, as well as working with multiple levels of indirection, and client callback functions.
- **"Trailblazer" Graph Search**
 - C++ Implementation of several path searching algorithms, and visually displaying the algorithm's process as it searches through a graph for its destination.
 - Implementation of algorithms included Depth First Search, Breadth First Search, Dijkstra's Algorithm (shortest path tree), and Kruskal's algorithm (minimum spanning tree).
 - Knowledge and application of Abstract Data Types such as stacks, queues, lists and graphs.

Work:

- **Busser/Runner**, The Dundee Bistro: Dundee, OR (June 2015 - September 2015)
- **Barista**, Starbucks Corporation: Stanford, CA (January 2015 – June 2015)

Skills and Awards

- C, C++, Java, and Unix.
- Coachable and persistent, with desire and aptitude to learn at a quick pace.
- Newberg Track and Field Team Captain and Football Team Captain (2011-2014).
- All-state honors in Javelin and High Jump.
- Team NSAF Kultan Keihas Program Athlete.