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| **CURRENT ADDRESS**  6515 Wydown Boulevard  St. Louis, MO 63105  Campus Box 3090 | | | **Shane Deiley** | **PERMANENT ADDRESS**  7011 W. Western Reserve Road  Canfield, OH 44406 | | | |
| [*shanedeiley@wustl.edu*](mailto:shanedeiley@wustl.edu)  *330-550-9949* |
| **SUMMARY**  A determined second year engineering student seeks a software engineering internship in order to aid in the creation of something useful and rewarding by utilizing communication skills and experience as well as quantitative inclinations to contribute to a team and its goals. | | | | | | | |
| **EDUCATION** | | | | | | | |
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| **Washington University in St. Louis**  Bachelor of Science Candidate, Expected Graduation: May 2016  Primary Major: *Applied Science: Systems Science and Engineering*  Secondary Major: *Applied Mathematics* Minor: *Computer Science* | | | | | St. Louis, MO | | |
| **Total GPA: 3.77/4.0** | | |
| **Relevant Coursework** | | | | | \* Courses to be taken in the Spring, 2014 | | |
| Machine Learning\* | | Computer Science I (Introductory Java) | | | Matrix Algebra (Linear Algebra) | | |
| Data Structures and Algorithms | | Computer Science II\* (Second course in Java) | | | Statistics and Data Analysis | | |
| Object-Oriented Software Develop\* (C++) | | Computational Modeling for Social Sciences\* | | | Probability and Statistics for Engineering | | |
| **TECHNICAL PROJECTS** |  | | | | | | |
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| *Find relevant code repositories via* [**https://github.com/sdeiley/School-Assignments**](https://github.com/sdeiley/School-Assignments)  **Comparing Genomic DNA Sequences, Java**   * Implemented an open-addressing hash table data structure, allowing for efficient search, insert, and delete operations while handling collisions by using a doubling procedure to keep the load factor below ¼; the hash table’s effectiveness was confirmed as it was successfully utilized in the finding of all similar strings of equal length in two DNA (string) strands | | | | | | | |
| **Computational Geometry (Closest Pair of Points), Java**   * Solved the closest pair of points problem (2D Plane) using a stable version of Merge Sort and a Divide and Conquer approach * Results consistently found the closest pair of a set of one million points in less than one second, 8th best in a class of 140 | | | | | | | |
| **Statistical Data Analysis, R**   * Modeled regression lines, confidence intervals, p-values, plots, and more with various sets of data | | | | | | | |
| **TECHNICAL SKILLS**  **Software**: Proficient in Java, C++, Python, and Matlab; Experience with R and Mathematica  **Communication**: Excellent public speaker, customer service provider, and salesman; familiarity with Spanish | | | | | | | |
| **LEADERSHIP EXPERIENCE** | | | | | | | |
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| **National Honor Society, Vice President, Canfield High School, 60 Members**   * Tutored students in the ACT examination; results included an improvement of at least 12.5% per student * Served at a local soup kitchen weekly; Raised funds for Multiple Sclerosis (M.S. Walk) exceeding $1,500 | | | | | | Canfield, OH  2010-2012 | |
| **Public Forum Debate, Team Leader, Canfield High School, 12 Members**   * Coached and led the Canfield Debate Team to a team state title; personal State and National finalist | | | | | | Canfield, OH  2012 | |
| **WORK EXPERIENCE** | | | | | | | |
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| **Summer Programs and Conference Services, Washington University**   * Various responsibilities; Team of 6 checked in 1500 clients in 1.5 hours using an assembly line approach | | | | | | St. Louis, MO  Summer 2013 | |
| **Vector Marketing, Incorporated, Senior Advisor**   * Sold over $16,000 in fine cutlery with a 75% sale rate in one month, earning Regional Sales Leader award * Attended two national training conferences and trained new representatives with the skills learned | | | | | | Boardman, OH  July 2012 | |
| **AWARDS AND HONORS** | | | | | | | |
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| **Case Competition, Finalist, Olin Business School of Washington University**   * Proposed advertising solutions utilizing user data and market-trend analysis for Yahoo, Inc. * Presented findings to Google Inc. Executives and the Olin Business School Class of 2016 (about 450 people) | | | | | | | St. Louis, MO  Fall 2012 |
| **Dean’s List (twice)** | | | | | | | 2012-2013 |