

Erik Charles Zorn

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Education

University of South Carolina Honors College *Major: Computer Science; Minor: Business*
GPA: 3.97 – McKissick Scholarship, President's List (x2), Dean's List (x3) Fall 2015 – Present

Worcester Preparatory School, Berlin, MD *High School*
GPA: 98.6% - Salutatorian, Cum Laude Society, Student Body President Graduated: May 2015

Employment

H&M Bay Inc. **Federalburg, MD**
IT Intern June – August 2016

- Worked under Director of IT to learn company structure, ColdFusion, and SQL
- Designed webpages in ColdFusion with JavaScript to take user input into database
- Optimized SQL queries to efficiently add, modify, and delete equipment information
- Assimilated into and contributed to a structured work environment
- Created a complete IT work order system to schedule maintenance routinely and notify relevant employees via email

Malibu's Surf Shop **Ocean City, MD**
Retail Worker / Surf Instructor Summers 2014 – 2016

- Gained interpersonal skills from hours of one on one teaching and in store customer service
- Contributed to company standard of highest rated surf lessons in Maryland by Google
- Used problem solving to expedite the learning time of students

Relevant Experience

Projects

- Wrote C++ program that uses file I/O, takes in text files of thousands of ACTG genetic sequences, and condenses them into one contiguous string resembling a gene. Appending is based on 20 character overlaps between strings. Program uses custom string class.
- Programmed in Java to prove the Konigsberg Bridge Problem using graph and array-list structures to recursively test every possible path. Output path data to prove it to be impossible.
- Wrote Java program to find minimum spanning tree of an undirected graph using Kruskal's and Prim's Algorithms.
- Created a self balancing binary search (AVL) tree in Java.
- Repaired a variety of iOS devices with cracked displays, dead batteries, and water damage.

Technical Skills

- Java, C++, Python, SQL, JavaScript, HTML, CSS, ColdFusion, Assembly Language
- MySQL, Final Cut Pro, Photoshop, Illustrator, Git, Microsoft Office, Arduino

Leadership

- Student Body President and Junior Class President in high school
- Member and Representative of Worcester County Youth Council
- Captain of high school basketball and tennis teams

Relevant Courses

- Algorithmic Design I & II (Java), Operating Systems, Data Structures and Algorithms, Intro to Software Engineering (C++), Digital Logic Design, Vector Calculus, Discrete Mathematics, Intro to Computer Architecture (MIPS), Business Writing, Fundamentals of Media Art