

Zachary Buchholz

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Education

University of Iowa

GPA 4.19/4.00

- Relevant Coursework: Data Structures, Discrete Mathematics, Calculus III, Computer Organization, Linear Algebra, Operating Systems, Introduction to Software Development, Ordinary Differential Equations

West High School, Iowa City

GPA: 4.28/4.00

- AP Calculus BC (5), AP Computer Science A (5), AP U.S History (5), AP United States Government and Politics (5), AP Human Geography (5)

ACT

34 Composite, 35 Superscore

- English 33, Math 36, Reading 35, Science 34

Miscellaneous

- Independently completed Cornell's Intro to Backend Development course. 2022

Extracurriculars

Business Professionals of America (BPA)

2020-present

- Developed full stack web application for a used car lot using the Flask framework and a MySQL Database. jzjdm.co
- Selected as a member of the Executive Board where I launched the chapter's first website. westbpa.org
- Assembled website and coordinated team for the event, "Website Design Team" where we are 2x state champions.
- Produced a podcast with a team for the event, "Podcast Production Team."

Boy Scouts of America

2016-present

March 2020 - March 2021

- Elected Senior Patrol Leader and Assistant Senior Patrol Leader
- Organized weekly meetings, campouts, service activities and other events
- Volunteered in numerous service activities -currently working on Eagle Scout Service Project
- Attended Philmont and Rocky Mountain high adventure camps
- Completed National Youth Leadership Training

Piano

2012-present

- Mastered all 3 movements of Moonlight Sonata, Maple Leaf rag, Gladiolus rag, Solace, 12 Street rag, The Entertainer, Ragtime Nightingale among others
- Competed in 10 Piano festivals up to level Very Difficult Two

Cross Country/Track

2017-present

Work Experience

Software Engineer ACT

Summer 2022

- Worked in a team using the agile framework to create a dashboard for monitoring software tests. Using Python, PyTest, Jenkins, Git, Tableau and various API's.

Miscellaneous Jobs

- Tutored in algebra 1
- Provide excellent lawn care, gardening and snow shoveling services to neighbors

Technical Skills

Java (Certiport Java IT Specialist) | Python | Flask | SQL | HTML | CSS | JavaScript | C | x86-64 | NumPy | Git

Awards

- 2nd Nationally Website Design Team (BPA) 2022
- 9th Nationally Computer Programming Concepts (BPA) 2022
- 11th Nationally Java Programming (BPA) 2022
- 3x State Champion Java Programming (BPA) 2021, 202, 2023
- 49 I.C.I.P.T Piano festival points (max 5 per year) 2021
- Troop 212 Life Scout 2020
- Highest overall score in Calculus III 2022
- AP Scholar With Distinction 2022