

Zakhaddin (Zack) Khalidov

6291 S Valdi Ct • Centennial, CO 80015 • zakhaddin1995@gmail.com • 720-235-9449

Education

METRO STATE UNIVERSITY

Denver, CO

BS. Computer Science, Mathematics. GPA: 3.71 [Cum Lauda]

12/16/2022

As a graduate with a degree in Computer Science and a focus on Aerospace, I have developed strong technical skills and a passion for solving complex problems through the use of innovative technology. My experience in designing, developing, and testing software applications for the aerospace industry has prepared me to make an immediate impact in the field and contribute to the success of any organization.

BA. Philosophy. GPA 3.8 [Magna Cum Lauda]

05/20/2021

As a philosophy Major I developed critical thinking skills and the ability to analyze complex ideas and arguments. My studies have provided me with a deep understanding of the history of philosophy and its major thinkers, as well as the ability to engage in rigorous philosophical debate. My degree has prepared me to think creatively and critically about the world around me, and to apply philosophical concepts to real-world problems and situations.

Relevant Coursework: Algorithms and Algorithm Analysis, Machine Learning, Computational Matrix Algebra, Discrete Math for Computer Science, Symbolic Logic, Hermeneutics

RANGEVIEW HIGH SCHOOL

CO

Graduated top of the class with a 3.85 GPA.

2014

Experience

CONEXSMART

Conifer, CO

IT, Engineer, Compliance Admin

4/2020 – Current

- Worked on projects for the Department of Defense, gaining valuable experience in the development of electrical systems for the aerospace industry.
- Collaborated with a team of engineers to design, develop, and test electrical systems that met the strict requirements of the DOD.
- Gained experience in working with government regulations and security protocols to ensure the safety and reliability of electrical systems.
- Developed strong problem-solving skills while working on complex projects with tight deadlines.
- Contributed to the success of the organization by consistently delivering high-quality work on time and within budget.

Zip2Zip

Denver, CO

Logistics Coordinator

01/2017– 11/2019

- Worked closely with drivers, dispatchers, and customers to resolve any issues and ensure smooth operations.
- Developed strong organizational skills while managing multiple shipments and keeping track of schedules and deadlines.
- Gained experience in using logistics software to track shipments, plan routes, and optimize operations.

Junior Achievement Volunteer

Denver, CO

Educator

- Gained valuable experience in teaching, public speaking, and leadership while making a positive impact in the community.
- Volunteered as an educator for Junior Achievement, teaching financial literacy and entrepreneurship skills to students in grades K-12.
- Worked closely with teachers and other volunteers to ensure a positive and impactful learning experience for students.

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Skills & Interests

Technical: C++, Java, Python, JavaScript, Agile, Waterfall Development, Git, VS Code, MySQL, Mango DB, HTML, CSS, WINDOWS, LINUX, AWS Cloud, Azure, Unit Testing, Embedded Systems dev, Safety Critical systems, Software Quality Control.

Language: Turkish (fluent), Russian (fluent).

Laboratory: Design and Development of a computer communication system for handicapped users.

OBJECTIVE

Seeking an Associated Software Engineering position with a focus on Aerospace.

TEAMWORK SKILLS

- Working in a team of 4 using a modified SCRUM framework to develop an End-to-End Encrypted Messaging Web Application using a MEAN stack ([Github.com/ElectronChat](https://github.com/Zakhaddin/ElectronChat))
- Developed a Java Virtual Machine written in Python in an Agile team of 7 ([Github.com/GitConfused](https://github.com/Zakhaddin/GitConfused)).
- Managed ConexSmart's RAMONA (Responsive and Mobile On-site Assistance) task unit on Sierra Nevada's MC-145B Coyote Multi-Role Strike aircraft for the SOCOM Armed Overwatch Prototypes.
- Consulted with the Air Force to design a 400GB mobile fiber optic network platform for a DoD subcontractor.

SOFTWARE DEVELOPMENT TOOLS SKILLS

- Experienced in designing and programming applications using JavaScript, Ruby, Java, Python, and Kotlin.
- Wrote remote worker activity tracking software in C++, utilizing Windows API.
- Experienced in Web Dev frameworks Ruby on Rails, Express.js, and Angular
- Set up version control environments using Git and upload them to web frameworks such as GitHub or Gerrit.
- Used the Agile development framework SCRUM, as a developer and product owner to design and implement a Java Virtual Machine written in Python.
- Wrote hundreds of Unit Tests and integrated them with CodeCov.
- Experienced with integrated development environments for Java and Kotlin; using Eclipse and Android Studios to design and execute projects.
- Reviewed over 20 bug reports for Wikipedia's automation library Pywikibot.

PROGRAMMING/ ALGORITHM SKILLS

- Studied dozens of design patterns from Design Patterns by Erich Gamma.
- Implemented a [symmetric key encryption algorithm](#) for an Online Messaging application.
- Implemented [Prims & Kruskal Algorithms](#) to resolve Minimum Spanning Tree.
- Implemented [Dijkstra & Floyd Algorithms](#) to find the shortest paths between nodes in a graph.
- Wrote and implemented sorting algorithms (quicksort, bubble sort, insertion sort, merge sort, shell sort) in Java and Python.