Vladimir **Zhdanov**

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Education

University of Colorado, Boulder | M.S./B.S. in Computer Science | B.S in Applied Mathematics August 2017 - Present

Expected Graduation: **May 2020** (B.S) | **May 2021** (M.S)
Cumulative GPA: **4.0**
CU Sewall Esteemed Scholar | CU Regent Scholarship | Dean's List (All Semesters)
Selected Coursework:

- Intro to Artificial Intelligence
- Natural Language Processing
- Chaotic Dynamics
- Computer Graphics
- Operating Systems
- Data Mining

Relevant Work Experience

May 2019 – Present | **Software Engineering Intern | Pax8** *Denver, CO*

- Worked on an Agile software development team to plan and implement new features, bug fixes, and developments.
- Acted as both a backend and frontend developer on various projects.

AngularJS | Git | Groovy | Java | Javascript | PostgreSQL | REST | VueJS

May 2018 – May 2019 | **Automation Intern | Pax8** *Denver, CO*

- Wrote scripts to efficiently automate weekly regression testing, which previously was entirely completed manually, saving the team over 30 man-hours per week.
- Developed a page object focused automation framework to help reduce future test maintenance.

Cucumber | CSS | Git | HTML | Java | Javascript | Jenkins | PostgreSQL | Selenium

May 2016 – August 2017 | **Summer Intern | Imprimis/i2 Strategic Services** *US Air Force Academy, CO*

2017:

- Developed a GUI in Python to read and display real-time atmospheric data collected from a cube satellite located on the International Space Station.

2016:

- Studied high-speed camera data of phenomena in the upper atmosphere called sprites.
- Found trends in the sprite data, and created models using MatLab to analyze patterns in the data.

Git | Matlab | Python

Skills

Programming	C, C++, CSS, Groovy, HTML, Java, Javascript, Matlab, OpenGL, Python, R, VueJS
Tools/Programs	Assembly, Git, Jenkins, LaTeX, MySQL, MongoDB, Photoshop, PostgreSQL
Operating Systems	MacOS, Ubuntu, Windows
Languages	English, Russian (Fluent), French (Proficient)

Activities and Awards

Outstanding Paper and AMS Award - Mathematical Contest in Modelling 2019

- Created a model to simulate the spread of opioid use between counties in the eastern United States. The model was used to predict future high risk areas for drug use, identify pertinent socio-economic factors, and provide recommendations to mitigate the current spread of opioid use.

Meritorious Paper - Mathematical Contest in Modelling 2018

- Developed a statistical model and energy profile for the energy consumption of four U.S. border states, and used these models to anticipate necessary policy and infrastructure changes for the future.

Engineering Honors Program August 2017 - Present

Tau Beta Pi: Engineering Honor Society November 2017 - Present