

Stefana Ciustea

OBJECTIVE

Looking to utilize and grow my Computer Science and Physics skills & knowledge while contributing to the success of an organization

EDUCATION

Bachelor of Science | **Bachelor of Science**
Bellevue College, WA | *University of Washington*, Seattle, WA
Major in Computer Science | Major in Physics, Minor in Chemistry
September 2022 – currently | September 2015 – June 2020

Completed programming courses include:

UW CSE 142: Object Oriented Programming: Java,
BC CS 211: Fundamentals of CS II,
BC CS 300: Data Structures,
BC CS 310: Python for Data Science,
BC CS 320: Programming Languages,
BC CS 331: Database Systems,
BC CS 341: Computer Networks,
BC CS 351: Computer Architecture I,
UW AMATH 352: Linear Algebra & Analysis w/ Matlab

EXPERIENCE

Learning: Google IT Automation with Python — Coursera
Currently

- Using Python to interact with the operating system
- Troubleshooting and debugging techniques
- Automating real-world tasks with Python

Computational Plasma Physics Undergraduate Research Assistant, Aeronautics and Astronautics Engineering Department — *University of Washington*, Seattle, WA
June 2019 – September 2019

- Collaborated with my mentor and performed the duties of the awarded apprenticeship in the XSEDE Empower Program, supported by the National Science Foundation
- Participated in trainings by the UW High Performance Computing Club
- Studied & used Python, Bash, Fortran, and MatLab for data analysis
- Performed Singular Value Decomposition & Dynamic Mode Decomposition to form lower-dim. models of complex data systems
- Studied plasma physics, fusion, and clean energy research papers and ran plasma experiments from the operations room

Academics Services Student Assistant, Information School — *University of Washington*, Seattle, WA
June 2018 – June 2019

- Created electronic forms for curriculum proposals
- Regularly updated the course inventory and Guest Faculty repository
- Maintained the TA assignments page in Academics Database Manager
- Communicated weekly with TAs on their lab section availability
- Updated quarterly TA and Faculty listservs

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US Citizen
Redmond, Washington

SKILLS

Strong:

Python, Algorithms, Numpy, Statistics, Problem-Solving, Experiment & Test-Driven Design, Analysis, Math, R

Familiar:

C++, Java, MatLab, Pandas, Matplotlib, Assembly, SQL, MySQL, Databases, Networks, Wireshark, Fortran

LEADERSHIP & COMMUNITY SERVICE

Treasurer, Computer Science Club, *Bellevue College*
June 2023 – currently

- *Managing the club's financial resources while encouraging a positive environment for Bellevue College computer science students*

Founding Officer and President, Women in Physics Club, *University of Washington*
March 2018 – September 2019

- *Empowered, advocated, & built a community for women in physics & their supporters, by facilitating meetings, planning & hosting events, & leading the club*

STEM Alternative Spring Break Instructor, Pipeline Project, *University of Washington*
January 2018 – March 2018

- *Inspired and engaged middle & high school Yakama Nation students in learning about the physics of flight by teaching physics lessons & launching a weather balloon after a week with NASA & Northwest Earth and Space Sciences Pipeline*