Jean Ruggiero

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Education

Northeastern University — 2021
Master of Science in Computer Science — GPA: 4.0/4.0

University of Washington — 2019
Certificate in Python Programming; courses in algorithms, data structures, and statistics

Purdue University — 2014
Bachelor of Science in Aeronautical and Astronautical Engineering — GPA: 3.76/4.0
> Designed, fabricated, and tested the world's largest 3D printed aircraft!

Professional Experience

Data Science Intern — **Fortive** (Pittsburgh, PA) — June 2020 – Present
> Developed a machine learning based revenue forecast for one of Fortive's operating companies
> Organized a workshop on user experience design, lean prototyping, and testing of data visualizations

Teaching Assistant CS5002 — **Northeastern University** (Boston, MA) — January 2020 – May 2020
> Coached discrete math students through office hours, assignment feedback, and assistance during lectures
> Led online review sessions to help students transition to virtual classes during the COVID-19 shutdown
> Generated and reviewed practice problem sets and assignment solutions using LaTeX

Product Manager — **Boeing** (Seattle, WA) — Oct 2018 – Aug 2019
> Paired with developers to implement flight test computations in Python
> Performed user research to identify and prioritize web application usability issues and generated new features to alleviate user pain points

Flight Test Engineer — **Boeing** (Seattle, WA) — June 2014 – Oct 2018
> Analyzed flight test data to develop insights and formulate recommendations for internal customers
> Developed applications using MATLAB for real-time data monitoring during flight tests

Volunteer Experience

Head Instructor — **Boeing Employees Alpine Society (BOEALPS)** — 2017 – 2019
> Taught rock climbing fundamentals and safety skills to students and instructors by understanding and accommodating individual learning styles
> Automated processing of student application data using Python and Jupyter Notebooks to generate interactive summary reports for admissions committee members

Skills

Development	Python, Django, pandas, C, C++, Java, JavaScript, React, HTML, CSS, MATLAB, Git, AWS
Analytics	Data wrangling, engineering computation, data visualization and presentation
Engineering	Flight test, propulsion & fuels, fluid dynamics, CFD, technical writing, LaTeX
Product/Design	Jira, Sketch, InVision, user personas, user journey mapping, usability testing

Awards & Honors

John Cashman Flight Test Safety Award (2015): The Cashman Award recognizes one individual or group at Boeing per year that has made an enduring contribution to the advancement of flight test safety

ASME IAM3D Challenge Best Overall (2014): The IAM3D Challenge recognizes undergraduate students from around the world who re-engineer existing products or create new designs that minimize energy consumption or improve energy efficiency.

Purdue University Trustees Scholarship (2010 – 2014): The Trustees Scholarship is awarded to individuals who demonstrate exceptional academic achievement, leadership, and service in their school and community