Jean Ruggiero

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Education

Northeastern University   2021
Master of Science in Computer Science

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

Product Manager — **Boeing** (Seattle, WA)   Oct 2018 – Aug 2019
> Paired with developers to implement flight test calculations 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
> Mentored team members through coaching of new employees, development of training courses, and regular contributions to internal technical publications

High School Math Tutor — **Private Tutor** (Elizabeth, NJ)   2010
> Helped a learning-disabled student to understand and implement high school algebra concepts

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

Technical Skills

Programming   Python, Django, Jupyter Notebooks, Git, Jira, MATLAB, C++, Latex, HTML, CSS
Analytics   Data wrangling, engineering computation, data visualization and presentation
Engineering   Flight test, propulsion & fuels, fluid dynamics, technical writing, product management

Awards & Honors

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

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