Marisa K. Langlois

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EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY ⬩ Rochester, NY
▸B.S. in Computer Engineering, December 2018
▸Minor in Creative Writing ⬩ GPA: 3.25 / 4.00 ⬩ Dean's List: 4 semesters

EXPERIENCE

Research Assistant, *MASSACHUSETTS INSTITUTE OF TECHNOLOGY LINCOLN LABORATORY*
August 2017 - December 2017 ⬩ Lexington, MA
▸Designed serial communication APIs using LabVIEW for various measurement devices.
▸Developed Python and Bash scripts to facilitate data processing and virtualization.
▸Paid close attention to clear, concise documentation and good coding style.

Back-End Web Development Intern, *GENIUS PLAZA*
June 2017 - August 2017   ⬩ Clifton Park, NY
▸Migrated existing monolithic codebase to microservice architectural style using the Django REST Framework to improve performance and code maintainability.

Summer Intern, Diffusion/Epitaxy Module, *GLOBALFOUNDRIES*
June 2015 - August 2015 ⬩ Malta, NY
▸Assisted Epitaxy Equipment Engineering team with day-to-day tasks.
▸Performed data analysis by writing macros using VBA for Microsoft Excel.
▸Developed software application using Google Apps Script to display data from multiple sources in one cohesive view.

PROJECTS

Board Games Over IP, *SENIOR DESIGN*
January 2018 - December 2018 ⬩ Rochester, NY
▸Designed a robotic chessboard that allows users to play chess on a physical board with a remote opponent.
▸Designed electro-mechanical system and controller software using C++.

SKILLS AND INTERESTS

⬩ Computer Programming and Web Development

▸JavaScript	▸Python/Django	▸HTML/CSS
▸C/C++	▸Java	▸LabVIEW
▸VHDL/Verilog	▸Git/GitHub	▸MATLAB
▸Bash	▸SQL	▸ARM Assembly

⬩ Technical Writing
⬩ French language, 10 years' experience
⬩ Volunteering
▸Food Distributor, *WILTON FOOD PANTRY*
July 2015 - present ⬩ Wilton, NY
▸Cat Caregiver, *CENTRE COUNTY PAWS ANIMAL SHELTER*
February 2016 - August 2018 ⬩ State College, PA
⬩ Hiking and Backpacking
⬩ Creative Writing: fiction, poetry, and creative nonfiction