Carson Garland

(603) 306-5588 | 31 Seven Hearths Lane, Sunapee, NH 03782
carson.garland.t@gmail.com | https://www.linkedin.com/in/carson-garland-a9b1931a5/

EDUCATION

Columbia University – New York, NY   **Expected: May 2024**
Bachelor of Science: Electrical Engineering & Computer Science   *GPA: 3.92 / 4.0*
- Ruth Katzman Scholarship Recipient – 2020/2021
- Dean's List: Two Terms

Phillips Exeter Academy – Exeter, NH   **08/2018 – 06/2020**
High School Diploma, Final Two Years of High School   *GPA: 9.72 / 11.0*
- Highest Honors: Two Terms
- High Honors: Four Terms

Dartmouth College – Hanover, NH   **12/2017 – 06/2018**
Dual-Enrollment 2017 / 2018   *GPA: 3.67 / 4.0*
- Biomedical Engineering for Global Health and Intro to Statistics
- Dartmouth Book Award – 2017/2018

Sunapee High School – Sunapee, NH   **08/2015 – 06/2018**
First Three Years of High School   *GPA: 3.89 / 4.0*
- High Honors: Ten Terms
- National Honor Society – 2017/2018

RELATED COURSE WORK

- Accelerated Physics I/II
- Intro to Programming in Java
- Intro to Applied Mathematics
- Multivariable Calculus
- Linear Algebra
- Signals and Systems
- Data Structures and Algorithms
- Physics C (Mech/E&M)
- Circuit Analysis

TECHNICAL SKILLS

- Java
- Python (Pandas, Matplotlib)
- MATLAB
- Autodesk CAD
- ATOLL
- Electronics Lab Experience
- Microsoft Suite (Word, Excel, PPT)
- Google Suite (Docs, Sheets, Slides)
- LTspice

WORK EXPERIENCE

Verizon Wireless   **06/2021 – 12/2021**
RF Design Intern
- Conducted ATOLL 5G RF propagations to both attain handoff between sites for testing purposes as well as investigate site power changes and suggest proactive responses to maintain coverage.
- Generated Multi-point analyses in ATOLL examining C-Band interference with existing Earth Stations alongside creating a Python script to examine the data and produce coherent analysis that informed power increase proposals.
- Developed a python-based tool (using backend API requests, pandas, Matplotlib, and python-pptx) for the RF Engineering and System Performance teams in order to automate activation reports.

Crete Pavers   **06/2020 – 08/2020**
Concrete Worker
- Manual labor in the concrete industry that manifested an appreciation for the grounded side of engineering.
- Utilized construction drawings and plans in a hands-on manner in order to ensure accuracy in the product produced.

Vail Resorts   **10/2015 – 01/2020**
Mt. Sunapee Ski Instructor
- Instructed students between the ages of four and eight both how to ski but as principles of safety, respect, and kindness.
- Adapted to a high-paced, always-changing environment in order to organize groups and conduct lessons effectively.