

# Justin Marler

[justmarler.github.io](http://justmarler.github.io)

## EDUCATION

---

**Hamilton College**, Clinton, NY – *Bachelor of Arts*

Expected Graduation: May 2022

Majors: Computer Science, Economics | GPA: 3.82/4.0

Relevant Coursework (through Spring 2021): Algorithms, Data Structures, Artificial Intelligence, Principles of Programming

Languages, Computer Architecture, Microeconomics, Macroeconomics, Intro Econometrics, Linear Algebra, Multivariable Calculus

**Deerfield Academy**, Deerfield, MA – High School

September 2014 - May 2017

Average: 92.4

## TECHNICAL SKILLS

---

**Programming Languages:** Python, C++, Dart/Flutter, x86 Assembly, Prolog, Smalltalk, Scheme, ML, Ruby, JavaScript, HTML

### Programming Projects:

- GE-MAPS Benchmarks: Suite of Python scripts to assess multi-area production simulation model fidelity.
- Python implementation of a SIC/XE Assembly Language assembler.
- RISK: Full Python implementation of the classic strategy board game.
- Publist: Mobile application written in Flutter to query local grocery stores and produce aisle-sorted grocery lists.
- C++ application of Huffman compression utilizing a heap-based priority queue and binary search trees.

## WORK EXPERIENCE

---

**GE Gas Power**, *Technical EID Intern*, Schenectady, NY

June 2020 - Current

- Streamline and update GE-MAPS benchmarking reports to validate models against real market results.
- Create or update supplemental Python scripts to aid data analysis and improve model fidelity.
- Led post-processing code implementation to automate external scripts alongside simulation runs.
- Coordinate with external clients to provide tailored, automated simulation summaries for their own usage.

**Hamilton College Computer Science**, *Teaching Assistant*, Clinton, NY

Fall 2019 - Current

- Aid introductory Computer Science students in Python and C++ projects, labs, and exam preparation.
- Grade student projects and advise improvements in coding style and use of programming concepts.

**Chickendoodles, LLC**, Naples, FL

Summer 2019

- Receive and manage incoming and oversee outgoing shipments for resale in Amazon warehouses.

**Chris Dymant Hockey**, *Skills Coach*, Reading, MA

September 2017 - April 2018

## LEADERSHIP EXPERIENCE

---

**Hamilton College Club Hockey**, *Assistant Captain*, Clinton, NY

Fall 2019 - Current

- Schedule and organize team logistics and serve as liaison with league officials.

**Deerfield Academy Student Life**, *Proctor*, Deerfield, MA

September 2016 - May 2017

**Deerfield Academy Boys Varsity Hockey**, *Captain*, Deerfield, MA

May 2016 - May 2017

## MISCELLANEOUS

---

**INTERESTS:** Ice Hockey; Electric, Acoustic, and Bass Guitar; Music Production

**OTHER SKILLS:** Microsoft Office, namely Excel; Proficient in Spanish