

# Justin Marler

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## EDUCATION

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

Expected Graduation: May 2022

Majors: Computer Science, Economics

Relevant Coursework (through Fall 2020): Algorithms, Data Structures, Principles of Programming Languages, Computer Architecture, Microeconomics, Macroeconomics, Intro Econometrics, Linear Algebra, Multivariable Calculus

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

September 2014 - May 2017

## TECHNICAL SKILLS

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**Programming Languages:** Python, C++, 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: Heavily object-oriented full Python implementation of the classic strategy board game.
- C++ application of Huffman compression utilizing a heap-based priority queue and binary search trees.

## WORK EXPERIENCE

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**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.

**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 shipments to package for resale in Amazon warehouses.
- Oversee outgoing inventory and packing to ensure accurate, complete, timely shipments.

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

September 2017 - April 2018

- Receive and manage incoming shipments to package for resale in Amazon warehouses.

## LEADERSHIP EXPERIENCE

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**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

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

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