Paul **D'Amora**

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Education

University of Vermont   *Burlington, Vermont*

BACHELOR OF SCIENCE IN COMPUTER SCIENCE (MINOR IN ECONOMICS)   *Fall 2013 - Spring 2017*

Professional Experience

Engineering Intern   *Burlington, Vermont*

UNION STREET MEDIA   *Jun. 2015 - Aug. 2015*

- Markedly improved platform stability by optimizing code and removing the vast majority of erroneous errors in logs (> 95%), to improve future debugging.
- Increased daily developer productivity by developing an IRC plug-in in PHP to organize daily "stand-up" meetings through IRC.

Digital Curriculum Developer   *Burlington, Vermont*

COLLEGE OF ENGINEERING AND MATHEMATICAL SCIENCES, UNIVERSITY OF VERMONT   *Jan. 2017 - Jun. 2017*

- Developed custom software to automate the process of creating virtually accessible course materials and uploading those materials to the web.

Computer Science Personal Tutor   *Burlington, Vermont*

DEPARTMENT OF COMPUTER SCIENCE, UNIVERSITY OF VERMONT   *Sep. 2016 - Dec. 2016*

- Provided one-on-one tutoring and academic support to a group of non-traditional students enrolled in a CS certificate program, considerably increasing their performance and understanding of material.

Social Media Marketing Lead   *Burlington, Vermont*

DEPARTMENT OF STUDENT LIFE, UNIVERSITY OF VERMONT   *Oct. 2013 - May 2017*

- Implemented website and social media analytics to inform on future marketing decisions, seeing a notable increase in web traffic.
- Supervised a team of students and organized team-wide goals and communications to the campus and local businesses.

Skills

Language Proficiencies   Python, Java, Javascript, Ruby (Rails), PHP, HTML5/CSS3

Frameworks   **Python**: Flask, NumPy, PyQt - **Javascript**: Node.js, jQuery - **Java**: Spring Boot - **HTML5/CSS3**: Bootstrap

Other   Docker, AWS, Git, MySQL/PostgreSQL

Projects

Rails Weather App   *source*

INDEPENDENT WORK | RUBY ON RAILS   *June 2018*

- A Ruby on Rails application which uses a public weather api to allows users to track the weather conditions and forecasts in different cities.

FNV Hash Cracker App   *demo source*

INDEPENDENT WORK | SPRING BOOT, JAVA, JAVASCRIPT   *May 2018*

- A multithreaded Java web application which accepts uploaded text files and brute force cracks FNV-1 128bit hash digests within them.

Forest   *source*

INDEPENDENT WORK - (INCOMPLETE) | PYTHON, FLASK, TENSORFLOW   *Dec. 2016*

- Forest is a machine learning application which takes an image of a leaf, processes it using OpenCV, extracts features using NumPy and SciPy, predicts the plant species of the leaf using Keras (Tensorflow), and then displays data and results using Flask.

Leadership & Involvement

Aug. 2015 & Aug. 2016	**INTERN: UVM Service TREK**, UVM Service TREK (Animal Rescue & State Park)	*Vermont*
Mar. 2015	**AWARD: Third Place**, UVM State Street 1st Annual Agile Codefest	*Burlington, Vermont*
Mar. 2015	**VOLUNTEER: Alternative Spring Break**, UVM ASB – Once Upon a Time in Appalachia	*Maryville, Tennessee*