

# Nathaniel Brown

nathanielobrown@gmail.com  
(603) 729-6582

[nathanielobrown.com](http://nathanielobrown.com)

4 Elm St  
Dover, NH  
03820

## Objective

To create high quality software that improves the world.

## Education

Udacity Nanodegree, <b>Artificial Intelligence</b>	<b>2017-2018</b>
University of New Hampshire, <b>B.S. Mechanical Engineering</b>	<b>2011 - 2015</b>
Hanover High School	<b>2007-2011</b>

## Experience

<b>Director of Engineering at Envio</b>	<b>Spring 2018 - Present</b>
<b>Independent Software Consultant</b>	<b>Fall 2016 - Spring 2018</b>
<ul style="list-style-type: none"><li>Experienced at diving into existing codebases and learning different development styles</li><li>Check out my <a href="#">UpWork profile</a> to view feedback from my clients</li></ul>	
<b>Software Engineer at Profit Tools</b>	<b>Spring 2015 - Fall 2016</b>
<ul style="list-style-type: none"><li>Re-Architected a commercial solution for scraping shipping container information</li><li>Responsible for building and operating a fuel card platform processing hundreds of thousands of gallons/dollars per month</li><li>Advised the Profit Tools team on their transition to Python, web development and git.</li></ul>	

## Technical Skills

### General Programming

- Skilled in Python, Javascript, HTML, CSS; Proficient in SQL; Some experience with Go
- Solid foundations in networking, testing, API design

### Web Development

- Backend development with Python, Flask, SQLAlchemy and Celery
- Fronted development experience with jQuery and Vue.js

### DevOps

- Experience deploying and supporting applications with Linux, nginx, AWS, Google Cloud
- Great knowledge of Docker and Kubernetes. Migrated two applications to Kubernetes

### Data Analysis

- Comfortable using NumPy, Pandas and Jupyter
- Great web-scraping skills using Python, BeautifulSoup, scrapy and Selenium/Requests

## Activities and Projects

<b>UNH Crew Team</b>	<b>2011-2015</b>
<b>Launched Used Textbook Company</b>	<b>Spring 2014 - Spring 2015</b>
<ul style="list-style-type: none"><li>Generated revenue of over \$70,000</li><li>Built pricing algorithms, POS, and inventory management system using Python</li></ul>	

## Awards and Achievements

<b>Tyco Industry Scholarship Recipient</b>	<b>2011 - 2015</b>
<ul style="list-style-type: none"><li>Covers tuition, room, and board at UNH for four years. "The Tyco Scholars Fund supports outstanding students in the physical and engineering sciences through a \$2 million permanent endowment." Awarded to one student annually.</li></ul>	