

# David Melvin

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**Email:** [dmelvin@princeton.edu](mailto:dmelvin@princeton.edu); **Mobile:** (732)-453-4764

**Web:** <https://github.com/davidmelvin>; <https://www.linkedin.com/in/davidmelvinjr>

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## Education

### PRINCETON UNIVERSITY | SEPT. 2015 – MAY 2019

- *Major:* Computer Science
- *Relevant Coursework:* COS 126: General CS, Java; Intermediate Spanish

### CARNEGIE MELLON UNIVERSITY | JUNE 2014 – AUGUST 2014

- *Summer Courses:* Fundamentals of Programming and CS (Python); Arguments and Logical Analysis

### MIDDLESEX COUNTY ACADEMY FOR SCI., MATH, AND ENGINEERING TECH. | SEPT. 2011 – JUNE 2015

- *Track:* Electrical and Computer Engineering
  - *Coursework:* C++ (Imperative and OOP); Microcontrollers, Assembly, DC/AC Circuit Analysis
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## Skills & Abilities

### PROGRAMMING AND SOFTWARE

- *Web development* – HTML5, CSS3, JavaScript, jQuery
- *General purpose languages* – C++, Python, Java
- *Electrical Engineering* – Microcontrollers, DC/AC Circuit Analysis
- *Other Programs* – Adobe Fireworks, Photoshop, Dreamweaver; Sony Vegas Pro

### PROJECTS

- *FaceBox* – A modern photo booth alternative that uploads event pictures directly to Facebook using the Raspberry Pi.
- *YouTube Motion* - A Google Chrome extension that allows a user to control YouTube playback hands-free using the Leap Motion gesture control device.

### LEADERSHIP AND ACTIVITIES

- *Programming Club*, Co-Founder (Feb. 2014 – June 2015) - Taught students programming platforms, including Android and web design. Lead four student trips compete in hackathons.
  - *Hackathon Awards:* PilotPhilly – Best Health Application, HackTCNJ – Best Use of Twitter API, HackBCA – Best Use of Dwolla API
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## Experience

### FREELANCE WRITING | LONGNECK AND THUNDERFOOT | AUGUST 2015 - PRESENT

- Writing weekly articles and social media posts for businesses who are clients of L & T Co., to drive traffic to their sites and increase their sales.

### CLUB PRESIDENT | HEALTHY HABITS OUTREACH | SEPTEMBER 2014 – JUNE 2015

- Co-founded fitness club at my high school. Organized group sports activities for the school and led three separate teams to an international Spartan Race competition each year.