

# Matthew Stanley

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## EDUCATION

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Middlebury College

Middlebury, VT

**Major:** Bachelor of Arts in Computer Science, *summa cum laude*

February 2012–February 2016

**Minor:** Mathematics

**GPA:** Major: 3.93 Overall: 3.91

**Honors:** Phi Beta Kappa, College Scholar 6 semesters

## TECHNICAL SKILLS

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**Programming Languages:** Python, Java, C, Bash, JavaScript, HTML, CSS  
**Libraries & Frameworks:** Backbone.js, Node.js, WebGL, Flask, jQuery  
**Operating Systems:** Unix, Mac OS X, Linux (Arch, Fedora)  
**Dev Tools:** git, gcc, make

## EXPERIENCE

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Middlebury College

Middlebury, VT

**Research Assistant (Computer Vision)** Department of Computer Science

Summer 2015

- Designed and developed two graphical applications to compute and visualize a selection of matching costs for stereo image pairs. These applications also allow the user to manipulate the images including: omnidirectional movement and horizontal/vertical image warping around an anchor point.
- Implemented both a native and a web-based application, in C++ and JavaScript, respectively.
- Using the WebGL API and GLSL, parallelized the compute-intensive image processing to take advantage of GPGPU allowing for interactive speeds within a web browser environment.

**Teaching Assistant** Department of Computer Science

September 2014–December 2015

- Computing for the Sciences (Fall 2015): Graded Python programming assignments for a class of 60 students, provided one-on-one mentoring in a lab class of 30 students.
- Data Structures (Spring 2015): Provided both numerical and written feedback on Java programming assignments for a class of 60 students.
- Computing for the Sciences (Fall 2014): Graded a class of 30 students on both style and correctness of programming assignment solutions written in Python.

**Research Assistant** Department of Chemistry

Summer 2012

- Synthesized the protein methionine aminopeptidase (METAP 2) used for researching the enzyme's role in angiogenesis.
- Used UV-Vis spectroscopy to test the quality and quantity of protein produced.
- Created and presented a poster for the Middlebury College research symposium.

American Flatbread

Middlebury, VT

**Assistant Kitchen Manager**

June 2010–present

- Trained on all positions in the restaurant, both front and back of house. Proficient enough to smoothly manage 400 cover nights. Create and execute catering menus for parties exceeding 100 individuals.
- Design and oversee the creation of new menu items and weekly specials alongside the head chef.
- Manage the kitchen staff in the absence of the head chef.