

SHIVANGI PATWARDHAN

2B Computer Science (BCS) • University of Waterloo

408-962-2017 • shivangi.patwardhan@gmail.com • www.shivangipatwardhan2018.github.io

SUMMARY OF QUALIFICATIONS

- Intermediate proficiency in **Racket**, **C** and **C++**, can code many basic algorithms for sorting, binary-tree search perfectly
- Experience with **PHP**, **HTML**, **JavaScript** and **MySQL** attained though developing a web application during co-op position at University of Waterloo
- Familiar with **bash commands**, **shell scripting**, **Python** and **GitHub**
- Developed **leadership**, **strong communication** and **interpersonal skills** through two years of Student Tutoring
- Strong **time-management** and **multitasking skills**, obtained from taking four Advanced Placement classes in senior year of high school.

EDUCATION

Candidate for Bachelors in Computer Science
(expected)

September 2013 - 2018

University of Waterloo, Waterloo, Ontario, Canada

- **Elementary Algorithm Design and Data Abstraction** - Algorithm Analysis, Memory Management, Abstract Data Types and Implementation
- **Computer Organization and Design** - Digital Logic Design, Processor Design, Memory Hierarchies and Multiprocessors

Homestead High School
2013

September 2009 - June

Cupertino, California, USA

WORK AND VOLUNTEER EXPERIENCE

Network Support Assistant
December 2014

August 2014 -

University Of Waterloo, Waterloo, ON

- Used PHP, HTML, JavaScript and MySQL to completely develop a web application: The MAC Address Registry. Added Data Validation to prevent XSS, Active Directory, CAS and Cookie Hashing
- Programmed in PHP, HTML, JavaScript and JQuery to make significant progress on an internal ticketing system called Checklist Database
- Conducted network availability spot tests throughout the campus

Advancement Via Individual Determination, Tutor

September 2011 - June 2013

Homestead High School, Cupertino, CA

- Tutored and mentored high school 9th and 10th grade students in Chemistry, Math and English through student-driven team collaboration
- Modelled positive work habits and organization for students through demonstration
- Graded notes and conducted binder checks

**National Honor Society, Member Volunteer
2013**

September 2011 - June

Homestead High School, Cupertino, CA

- Volunteered with a range of organizations, such as Second Harvest Food Bank, Christmas Toy Drive and various elementary school walk-a-thons
- Developed strong team-working skills at the volunteer events, where we all had to work together in a new environment and ensure that team goals were met
- Admitted to the Society for demonstrating outstanding social and academic merit

**California Scholarship Federation, Secretary
June 2012**

September 2011 -

Homestead High School, Cupertino, CA

- Organized and maintained all membership and volunteer hours information in Microsoft Excel
- Set the schedule for bi-weekly club member meetings
- Supervised the students donating blood and organized the donors' paperwork at the bi-annual Stanford Blood Drive held at Homestead High School

RELEVANT PROJECTS

- **Pig Latin Translator (Python)** **June 2014**
 - Applied skills obtained from Python tutorials to develop a program that translates English into Pig Latin
- **Linear Algebra Algorithms (Scheme)** **March 2014**
 - Small Program to print out all prime numbers till 'n', based on the Sieve of Eratosthenes
 - Developed a Dot Product and a Cross Product Calculator for any two vectors
- **Calendar Generator (Scheme)** **January 2014**
 - Can generate a calendar for any year given the first day of the year and the year itself, including leap years

AWARDS

**University of Waterloo Presidential Scholarship
September 2013**

University of Waterloo

- Awarded to incoming students with 90 - 94.5% cumulative entrance average

AP Scholar With Distinction

September 2013

College Board

- Granted to students who receive an average score of at least 3.5 on all AP Exams taken, and scores of 3 or higher on five or more of these exams

INTERESTS AND ACTIVITIES

- Interested in keeping up with international news and current events on a daily basis via reputable news sites
- Love to travel, travelled extensively though Canada and California. I collect Postcards from all the places I visit!