**Marian Lam**

**EDUCATION & HONORS**

**Vassar College** **–** Poughkeepsie, NY Expected Graduation May 2019

*Bachelor of Arts in Computer Science & Chinese*,**GPA: 3.82/4.00**

* **Coursework:** Problem-Solving and Abstraction, Foundations of Computer Science, Data Structures and Algorithms, Software Design and Implementation, Computer Organization, Analysis of Algorithms, Theory of Computation, Operating Systems, Mobile Software Development, Scalable Systems & Engineering Processes, Computer Vision, Declarative Programming Models, Compiler Design

**Diamond Ranch High School** **–** Pomona, CA June 2015

*High School Diploma*

* **Honors & Awards:** Salutatorian, AP Scholar with Distinction, **GPA: 4.97/5.00**

**WORK EXPERIENCE**

**U.S. Trust -- Bank of America Private Wealth Management** – Jersey City, NJJune 2018-August 2018

*Software Development Intern*

* Collaborated with team to build proprietary web applications to assist business processes utilizing technologies such as HTML5, CSS3, Typescript, and Angular
* Utilized Agile software development methodology
* Prepared, presented, and demoed on aforementioned projects before members of the technology team

**Computer Science Department -- Vassar College** – Poughkeepsie, NY January 2017-January 2018

*Teaching Assistant*

* Mentored peers on Java fundamentals during office hours for over 80+ hours a semester
* Analyzed, instructed, and assisted students building Java programs and writing code
* Reviewed labs and class assignments and collaborated with professor providing pedagogical feedback

**VC++ -- Vassar College** – Poughkeepsie, NY January 2016-January 2018

*Student Leader*

* Developed and led a mentorship outreach program (Google’s igniteCS) with peers and faculty-advisors to teach introductory Python to local high-school students
* Recruited and coordinated team off capable student-mentors to create weekly lectures and assignments as well as to provide one-on-one instruction for participating mentees
* Collaborated to draft a funding application listing program’s contents, timeline, budget, and participants

**PROJECTS**

* **Compiler** (2018). Built to perform lexical, syntactic, and semantic analysis on a subset of the Pascal programming language throwing errors when incorrect tokens and syntactic structures are discovered. Java
* **Resume Website** (2018). Designed and implemented a website from scratch for a friend to showcase their resume. HTML5, CSS3, JavaScript
* **Minesweeper** (2018). Used the MVC design pattern to implement a simple game of Minesweeper complete with a beautiful, custom user-interface. Android
* **Memory Allocation System** (2017). Implemented a program that allocates memory as well as tracks and combines free space using a segregated list data structure and deferred boundary tag coalescing for each of those purposes respectively. C

**LEADERSHIP & AWARDS**

*Recipient,* **Thompson-Bartlett Fellowship** – Poughkeepsie, NY April 2018

*Student Leader,* **Google’s igniteCS** – Poughkeepsie, NY January 2017-January 2018

**SKILLS**

* **Languages:** **Java**, **Python**, **Haskell**, **C**/**C++, TypeScript**, **HTML5**, **CSS3**, **R**