Hao (Holly) Wu

(424) 273-3635 | hwhollywu@gmail.com | https://www.hwhollywu.com
420 Temple Street, New Haven, CT 06511

EDUCATION

Yale University, New Haven, Connecticut   *Expected May 2019*
Master of Science in Computer Science, Graduate School of Arts and Sciences
Coursework: Databases, OOP, Computer Vision, Linear Models

Vassar College, Poughkeepsie, New York   *May 2017*
Bachelor of Arts in Computer Science; Economics and Mathematics Minors
Graduated with General Honor (Top 20%), GPA: 3.81/4.00
Coursework: Compilers, OS, Artificial Intelligence, Computer Organization, Computer Science III (Data Structures, Software Design and Implementation), Algorithm, Probability and Statistics, Linear Algebra, Calculus, Econometrics

SKILLS

Programming Languages: Java, C++, Python, MATLAB, C, Haskell, Lisp, Scheme, Racket

Tools: Maven, Git, Spring Boot, MyBatis, IntelliJ, Android Studio, LaTeX

Statistical Analysis: SQL, R, Stata, Excel   **Operating Systems:** Linux, Mac OS, Windows

Multimedia Software: Adobe Photoshop, InDesign, Premiere, Final Cut Pro, Autodesk Maya

Languages: Full proficiency in English and Mandarin

WORK EXPERIENCE

Java Software Engineer Intern, Alibaba Group, Beijing   *April 2018 - Aug 2018*
Developed and launched a data visualization web of mobile analytics, Umeng Compass (compass.umeng.com)
Middle-end engineered multiple projects using Java Web tools and Spring framework, including an access control feature to Open API, and a web platform for SDK updates; managed projects across teams

Computer Science Student Coach, Computer Science Department, Vassar College   *Sept 2015 - May 2017*
Facilitated classes and assisted students individually with 20 programming assignments during office hours
Coursework: Intro to CS(using Racket, Scheme), Computer Organization(using C, Assembly languages)

PROJECTS

MyWalkPet, Android
Created an app incorporating a virtual pet and a step counter (github.com/hwhollywu/MyWalkPet)
Users gain coins by reaching daily walking goals and use coins to buy virtual pet supplies

Gomoku, Lisp
Designed the classic board game Gomoku(or Five in a Row) in Lisp (github.com/hwhollywu/gomoku)
Applied and compared alpha-beta pruning and Monte Carlo tree search algorithms to the game

TimeIsMoney, R, Python
Cooperatively developed a data science project by applying data wrangling methodologies, machine learning, visualization strategies to Expedia datasets; won Best Data Visualization during DataFest 2017 @Vassar

VassarTab, Javascript, HTML, CSS
Self-taught front-end frameworks and developed a Chrome extension project, a new tab that contains useful links and information for Vassar students; won the Most Helpful Hack during CommunityHack 2016

HONORS AND ACTIVITIES

Google igniteCS Program Student Leader, Google at Vassar College   *Feb 2017 - May 2017*
Initiated a local mentorship program on interactive Arduino projects for 9 mentors and 15 high schoolers.

2016 Grace Hopper Scholar, Anita Borg Institute   *October 2016*
Received the merit-based grant to attend the world's largest technical conference for women in computing.

Director of Water Initiative, Vassar Haiti Project   *Sept 2015 - May 2017*
Organized weekly initiative meetings for 10+ members and multiple on-campus fundraising events;
Traveled to Haiti with 12 students; Maintained the organization website, blog and social media.