JASON LAO

linkedin.com/in/jason-lao
github.com/jasonlao99
jasonlao.com

jason.lao@vanderbilt.edu | (949) 903-2909 | Irvine, CA

EDUCATION

Vanderbilt University | *The School of Engineering*   *Nashville, TN | Aug 2017 - May 2021*

B.E. in Computer Engineering, B.A. in Mathematics

GPA: 3.7 / 4.0 | **ACT:** 36 / 36 | **Honors:** Vanderbilt Dean's List (Fall 2018, Spring 2018), National Merit Scholar

Relevant Coursework: Operating Systems, Microcontrollers, Intermediate Software Design, Data Structures, Computer Organization, Discrete Structures, Digital Logic, Differential Equations, Linear Algebra

PROFESSIONAL EXPERIENCE

Belkin | *Test Engineering Intern*   *Irvine, CA | June 2018 - Aug 2018*

- Designed, implemented, and executed automated testing programs using Robot Framework and Appium for the Android version of the Linksys Smart Wi-Fi app
- Performed functional testing on Linksys router firmware and the Linksys mobile app for iOS and Android mobile platforms
- Produced detailed QA reports on firmware and app defects for developers through JIRA

UC Irvine Information Systems Group | *Front-End Development Intern*   *Irvine, CA | June 2017 - Aug 2017*

- Developed on Texera, an ongoing project to support text analytics using GUI-based workflows
- Created and edited the appearances and behaviors of front-end GUI elements using HTML, CSS, and JavaScript

Blizzard Entertainment | *Quality Assurance Analyst Intern*   *Irvine, CA | June 2016 - Aug 2016*

- Identified, traced, and reported 30+ game bugs in early builds of World of Warcraft: Legion and Hearthstone's "One Night in Karazhan" Adventure expansion
- Implemented debugging methods for artificial intelligence, player-based decisions in game environments, and UI design

PROJECT EXPERIENCE

Vanderbilt Robotics Team | *Programming Subteam Member*   *Oct 2018 - Present*

- Compete in an engineering team to design, build, and test an autonomous Mars rover that mines and deposits subsurface icy regolith for the NASA Robotic Mining Competition
- Interfaced an Xbox One controller with Robot Operating System messages for teleoperated control of the robot's drive and mining functionalities using Python

LEADERSHIP & AFFILIATIONS

Vanderbilt Student Consultants for Non-Profit Organizations | *Strategy Consultant*   *Oct 2018 - Present*

- Work as part of a 6-person pro-bono management consulting team for an 8-month long case study benefiting the Tennessee branch of an international non-profit organization
- Formulate plans and provide data-driven recommendations for the roll-out of a client initiative in the state of Tennessee

Vanderbilt Student Government | *AcFee Committee Co-Chair*   *Dec 2017 - Present*

- Oversee the distribution of $1.85 million to various Vanderbilt student organizations for on-campus programs and events
- Distribute applications and analyze the financial records of 200+ student organizations in need of monetary compensation

VandyHacks Board of Organizers | *Communications and Design Team Member*   *Nov 2017 - Present*

- Organize VandyHacks, the School of Engineering's annual collegiate hackathon, which draws 500+ attendees per year
- Manage public relations with Vanderbilt's 7000+ student population through emails and various social media platforms, and coordinate with hackathon organizations of other universities

SKILLS & INTERESTS

- **Programming Languages:** C++, Java, HTML, CSS, MATLAB
- **Technologies:** Git/Github, JIRA, Robot Operating System (ROS), Bootstrap, Robot Framework
- **Applications:** Adobe Premiere Pro, Photoshop, Lightroom, Microsoft Office
- **Interests:** Photography, Video Production, Graphic Design, Traveling, Government & Politics