Jason Lao

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EDUCATION

Vanderbilt University | *The School of Engineering*   *Nashville, TN | Aug 2017 – May 2021*
- **Majors:** Computer Engineering, Mathematics
- **GPA:** 3.74 / 4.00 | **ACT:** 36 / 36 | **SAT Math II:** 800 / 800
- **Honors:** Forbes Under 30 Scholar, Vanderbilt Dean's List, National Merit Scholar, National AP Scholar

PROFESSIONAL EXPERIENCE

AT&T, Chief Data Office and Strategic Planning | *Software Engineering Intern*   *Dallas, TX | June - Aug 2019*
- Yielded a 94% accuracy score on a machine learning model that was trained to categorize text documents
- Efficiently mapped search keywords to 190,000+ unique text descriptions to generate training data for supervised machine learning
- Decreased redundant results by 7% in a search engine by applying a Python Natural Language Toolkit stemming algorithm
- Led a 6-person intern team as Product Manager to develop a VR application for the Oculus Go to promote the design thinking process to designers, developers, and business analysts in the Chief Data Office

Belkin | *Test Engineering Intern*   *Irvine, CA | June - Aug 2018*
- Designed and implemented automated testing programs using Robot Framework and Appium for the Linksys Smart Wi-Fi app
- Performed functional testing on 5 versions of Linksys router firmware and 3 versions of the Linksys app for iOS and Android
- Produced detailed QA reports for developers through JIRA and authored a wiki article on automated testbeds for iOS devices

UC Irvine Information Systems Group | *Research Assistant*   *Irvine, CA | June - Aug 2017*
- Developed on Texera, an ongoing project that uses GUI-based workflows to improve searching capabilities for text databases
- Created front-end GUI elements and edited their appearance and behaviors using HTML, CSS, and JavaScript
- Produced a demonstration video to teach the fundamental uses of Texera to UC Irvine and UC Irvine Medical Center researchers

Blizzard Entertainment | *Quality Assurance Analyst Intern*   *Irvine, CA | June - Aug 2016*
- Identified and reported 30+ game bugs in early builds of World of Warcraft: Legion and Hearthstone's "One Night in Karazhan" card game expansion

LEADERSHIP AND CAMPUS AFFLIATIONS

Students Consulting for Non-Profit Organizations | *Student Consultant*   *Oct 2018 - Present*
- Worked within a 6-person strategy consulting team for an 8-month project benefiting the Tennessee branch of Special Olympics
- Utilized multiple regression models to predict a cumulative increase of 25% on client revenue potential in 36 regions of Tennessee
- Strategized the roll-out of a client initiative in Tennessee based on best practices and success metrics from neighboring regions

Vanderbilt Robotics Team | *Public Relations Chair, Software Sub-team Member*   *Oct 2018 - Present*
- Competed in a 23-person engineering team to design, build, and test an autonomous Mars rover that mines and deposits subsurface icy regolith for the NASA Robotic Mining Competition
- Increased operating budget by 47% over past years by redesigning the team website and starting a company sponsorship initiative
- Interfaced an Xbox One controller with Robot Operating System for teleoperated control of robot's drive and mining functionalities

Vanderbilt Student Government | *AcFee Committee Co-Chair*   *Dec 2017 - Present*
- Oversaw the distribution of $1.9 million to various Vanderbilt organizations by collaborating with the Office of the Dean of Students and interviewing 42 organization presidents and treasurers on the finances of student organizations on campus
- Led a 6-person team to distribute applications and analyze financial records of 200+ student organizations in need of funding

Vanderbilt International Relations Association | *Director General*   *Dec 2017 - Present*
- Led a 12-person team to orchestrate Vanderbilt's annual Model United Nations conference for 700+ high school students
- Devised volunteer recruitment strategy, oversee conference budget, and organize logistics with Vanderbilt faculty and staff
- Recruited 90+ Vanderbilt students to serve as Chair, Co-Chair, Crisis Director, or Crisis Staff for 20 Model UN committees

University High School Univision | *Executive Producer*   *Sept 2015 - June 2017*
- Directed a 17-person video production crew to produce a bi-weekly video news broadcast viewed by 2600+ high school students and a video yearbook that generated approximately $50,000 in revenue for the school's arts department
- Efforts led to the team earning 11 nominations in the Orange County Film Festival and two $2000 grants from The Irvine Company

SKILLS AND INTERESTS

- **Additional Involvement:** Out for Undergrad, VandyHacks Hackathon Organizer, Vanderbilt Model United Nations Team
- **Programming Languages:** C++, Python, C, Java, HTML, CSS, MATLAB
- **Technologies:** Microsoft Power BI and Office Suite, Adobe Creative Cloud Suite, JIRA, Robot Operating System (ROS)
- **Interests:** Solo Backpacking, Landscape/Nature Photography, Video Production, Fitness, Graphic Design, Swimming