

# JONATHAN LU

## University Address

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## Home Address

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Milpitas, CA 95035

## EDUCATION

**San Jose State University**, *Davidson College of Engineering*

San Jose, CA

**Major:** Bachelor's in Software Engineering

**(Expected May 2022)**

**GPA:** 3.53 **Department GPA:** 3.75 **Honors:** Dean Scholar

**Current Coursework:** Computer Organization & Architecture, Software Design, Object-Oriented Design, Database Management Systems, Engineering Reports

**Related Coursework:** Java, Python, Linux, Git, Web Development, Data Structures & Algorithms

## Milpitas High School

Milpitas, CA

*High School Diploma*, Class of 2018

August 2014 – June 2018

**Organizations:** MathEasy, Read Write & Discover, Our City Forest, National Honor Society

## PROFESSIONAL EXPERIENCE

**The Opportunities Club**, San Jose State University

San Jose, CA

*Front-End Developer Extern*

May – August 2020

- Regularly attended meetings with industry leaders to accommodate needs and discuss upcoming plans
- Worked alongside a team of 30 undergraduates to develop a farm supply chain for farm owners in India
- Drew product mockups through Adobe XD as a guide for group lead and design team
- Built a user interface design using React.js/Node.js, HTML, and CSS that detects account login

## WORK EXPERIENCE

**Mathnasium of Milpitas, The Math Learning Center**

Milpitas, CA

*Math Instructor*

July 2019 – Present

- Teach 1-4 students using Mathnasium's curriculum, ranging from Elementary Math through Pre-Algebra, Integrated Math, Algebra I and II, Statistics, and Pre-Calculus
- Maintain a clean and neat workspace to welcome students entering the center
- Assist lead instructor in evaluating and documenting students' progress after every session
- Discuss with parents regard to child's lesson plan, assessment, and workout book

**Banana Republic, Great Mall**

Milpitas, CA

*Sales Associate*

June – August 2018

- Worked alongside retail representatives to boost sales by enhancing presentations and advertising collateral
- Operated a cash register to accommodate customers' needs and questions
- Maintained an organized, presentable merchandise to drive continuous sales up to 20%

## PERSONAL PROJECTS

**Slay the Python**

San Jose, CA

*Group Lead, Programmer*

January – May 2020

- Developed a Python Flask application for users to plan out important events and provide a work-life balance
- Created a SQLAlchemy database to store account credentials and appointment dates

**Sudoku Solver**

San Jose, CA

*Student Programmer*

January – May 2019

- Coded a Java program to solve combinatorial number-placement puzzles through a 9x9 grid

**Mechanical Robot**

San Jose, CA

*Student Software Engineer*

August – December 2018

- Built a robot design that completes a set of tasks, replicating human functions
- Wrote the entire C code blocks to control the robot's movement

## SKILLS

**Literacy:** Cantonese (native), English (fluent), Mandarin (fluent), Vietnamese (basic), Spanish (basic)

**Programming Languages:** Java, Python, C, C++, HTML, CSS, Flask, React.js, Node.js

**Software:** Word, Excel, SolidWorks, Sublime Text, Visual Studio Code, Visual Studio, Eclipse, PyCharm

**Interests:** Back-End Development, Machine Learning/AI, Cybersecurity, Film, Music, Photography, NBA, NFL