# JONATHAN LU

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## 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
**Related Coursework:**  Java, Python, Linux, Git, Data Structures & Algorithms, Operating Systems, Object-Oriented Design, Assembly, Computer Architecture, Networks, Database Management, Information Security, Software Design

## 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

## PERSONAL PROJECTS

**Brick-Bricker**                          San Jose, CA
*Student Developer*                          August – December 2020
-   Developed a JavaFX game that mimics Atari's arcade game, Breakout
-   Created a file system to store scores and view the leaderboards
-   Wrote the entire code for the Ball, Paddle, and Brick class
-   Learned how to use Scene Builder to provide a presentable graphical user interface

**Slice**                          San Jose, CA
*Group Lead, Programmer*                          August – December 2020
-   Developed a food delivery application through Python Django
-   Created an SQLite database for account credentials and order inputs
-   Wrote the entire backend models for order confirmation and account registration
-   Used JavaScript's localStorage property to add and remove food items in shopping cart

**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
-   Used HTML and CSS to include a Bootstrap theme for the home page
-   Created a SQLAlchemy database to store account credentials and appointment dates

**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

## 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

## 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