

# Joshua Chin

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## Work Experience

### [Apex Semiconductors](#), Software Engineering Intern

June 2021 – August 2021

- Created a graphical user interface (GUI) that orchestrates chip design processes by visualizing input and output data, increasing design efficiency by 100%
- Performed UI/UX planning for the application and implemented the GUI from scratch using Python, PySimpleGUI and Tkinter
- Added to the company database of code to create reusable GUI modules that could minimize the time needed to complete projects in the future

### [Perksense Inc](#), Full Stack Development Intern

June 2020 – September 2020

- Developed testing infrastructure and created integration testing for 20 controllers for back-end server using Jest, achieving 98% code coverage
- Designed and planned prototype for all-in-one app for restaurants utilizing Node.js and React Native, forming an ecosystem for franchisees, merchants, suppliers and customers
- Managed and mentored 4 interns, and executed Agile methodologies
- Secured restaurant service by providing authentication to all controllers using JWT and Firebase

### [Yee Lee Corporation](#), Software Engineering Intern

June 2019 – August 2019

- Created employee facing storefront redemption website, specifically backend, for company of 5000 .NET MVC framework and C#
- Implemented several website modules specializing in specific function, operating the Entity Framework to interact with database with “separation of concerns” architecture.
- Operated version control software such as Git and Subversion, streamlining development with other developers and giving structure to code

## Education

San Jose State University, B.S. Computer Science

Expected May 2022

- GPA: 3.9/4.0
- Related coursework: Data Structures and Algorithms, Object-Oriented Design, Computer Architecture, Operating Systems, Machine Learning, Database Management Systems, Programming Paradigms

## Skills

Programming Languages  
Programming Frameworks  
Programming Tools

Java, C#, Python, JavaScript, Visual Basic, SQL, HTML, Scala  
Android Studio, .NET MVC, Django, React Native, Vue, Node.js  
Git, Docker

## Projects

Learning Tracker, [learningprinciple.chinzhengyao.com](http://learningprinciple.chinzhengyao.com)

- Devised a full-stack, dynamic website acting as a helper for learning certain topics.
- Features include a full-fledge document editor, notes which can be sorted based on class, and checkpoints to benchmark a learner’s knowledge on a certain topic.
- Powered with Java Tomcat, MySQL, Docker.

Foodbank, A Twitter Hackathon Project

- Developed a Twitter bot in Python alerting the homeless to food banks.
- Leveraged the Twitter API to detect tweets containing specified keywords and retweet those tweets.
- Programmed the Twilio API to send a text message containing the tweet’s message.