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## OBJECTIVE

Graduate school student looking for a **Software Development Engineer internship** opportunity.

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## EDUCATION AND AWARDS

**San Jose State University** - *Master of Software Engineering* Aug 2019 – Dec 2021

Focus: Enterprise Software Technologies, Software Systems Engineering and Data Science.

**Foothill College, CA** Sep 2017 – Jun 2019

Focus: Object-oriented Programming in Java/Python, Introduction to Database Management Systems

**Shantou University, China** - *Bachelor of Science, Applied Physics* Aug 2011 – Jun 2015

**Award** – *First place in Deepfake Education Competition* Oct 2020

Made an animated educational video about deepfake technology and its potential impact on the society

Link: <https://youtu.be/LJMuseCuw5U>

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## TECHNICAL SKILLS

**Languages:** Java, C++, Python, PHP, HTML, CSS, Fortran, JSON, JavaScript, React and AngularJS.

**Database:** relational database (MySQL)

**Software Tools:** Git, AWS Elastic Beanstalk, EC2, S3, Jupyter Notebook

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## ACADEMIC PROJECTS

**System Design Class Project** Aug 2020 – Dec 2020

- Developed front-end of an online real estate marketplace website using **JavaScript** and **React**.
- Created a **Java** application that can read credit card data from multiple file formats, verify the card information and create corresponding credit card instance for the user.

**Enterprise Software Platform Project** Aug 2019 – Dec 2019

- Developed a web application using **HTML5/CSS/JavaScript** for a virtual retail company.
- Built **MySQL** database to **CRUD** users'/products' data for the retail company.
- Bootstrapped server side using **PHP** and deployed it to **Amazon EC2** to handle 150 queries per second.

**Operating System Project** - Sudoku Solution Validator Sep 2019 – Dec 2019

- Created a one-thread process to do the validation of every column, row and 3 X 3 sub-grid.
- Extended to three-threads process in which one for column validation, one for row validation and one for 3 X 3 sub-grid validation.
- Studied how input data complexity can affect a multi-threading process run time.

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## WORKING EXPERIENCES

**Luminate Health** - *Data Scientist* Aug 2018 – Feb 2019

- Analyzed diabetes and chronic kidney disease patients' de-identified data and organized temporal data to predict their health conditions.
- Utilized **python** on **Jupyter notebooks** to generate visualizations of health trends. Charts and graphs were presented to healthcare providers and led to the development of software product features.

**Shantou University** - *Group Project Researcher* Sep 2012 - Jun 2014

- Visualized theoretical calculation data and experimental measurements, performed exploratory analysis and drew deep physical conclusion from chart utilized **C language**.

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## PUBLICATION

**Journal of Atomic and Molecular Physics**

*Initial state distortion and final state correlation effects in (e, 2e) processes on hydrogen*

Y.Xu, **X.Jiang**, L.Pan, Z.Lai, D.Chen, Z.Chen  
Doi: 10.3969/j.issn.1000-0364.2014.06.013

## GITHUB

<https://www.github.com/katyjiang>