

# HENRY DANG

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## OBJECTIVE

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Seeking for a challenging software engineering opportunity utilizing my program development skills.

## EDUCATION

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**University of California, Santa Cruz**  
Bachelor of Science, Computer Science  
Cumulative GPA: 3.84

*September 2018 - August 2020*

**Relative Coursework:** Artificial Intelligence | Introduction to Software Engineer | Database Management | Data Structure and Algorithm Analysis | Computer Architecture | Computational Model | Operating System | Applied Machine Learning | Web Application | Distributed System

## EXPERIENCE

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**Rent-A-Driveway**

September 2019 - August 2020

*Mobile App Developer*

- Use Flutter SDK to design UI
- Wrote functions to read and write from firebase cloud firestore
- Integrate google map API to allow users to interact with available parking spaces
- Implement camera functionality to upload pictures and store it into firebase fire storage
- Follow scrum agile methodology

## PROJECTS

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**Key-value Store**

April 2020 - June 2020

*A key-value store data structure that can send request and handle any failures or delayed.*

- Utilizae flask to connect endpoints to make request
- Use docker to containerize the key-value-store
- Created a resharding algorithm to redistribute keys to keep consistency

**SuppCheck**

January 2020 - Present

*A mobile application that allow user to take a picture of a brand's name ingredient list and display back information about the ingredient*

- Connect database to Microsoft Azure and query information taken from Google Vision API to display back to the users.

**Professor Grade Rater**

January 2018 - March 2018

*A Web application that allow users to look up information about a class a professor taught.*

- Used Django to connect API calls to web server.
- Apply regular expression to web scrape information.

## TECHNICAL KNOWLEDGE

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<b>Technology</b>	Flask, Microsoft Azure, Google Cloud Platform, Flutter, Docker, Git
<b>Languages</b>	C++/C, Python, Java, MySQL, HTML, JavaScript, Dart, Haskell

## AWARDS/ACHIEVEMENT

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<b>CruzHack 2020</b>	Second Place in Health Category
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