

# Parth Varu

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## EDUCATION

**California Polytechnic University Pomona (CPP)**

Master of Science, **Computer Science**

**Expected Graduation:** May 2022

**GPA:** 3.4

**California State University Northridge (CSUN)**

Bachelor of Science, **Computer Science**

**GPA:** 3.26

## TECHNICAL SKILLS

- **Programming Languages:** Java, Python, JavaScript, R, RobotC, VEX C++.
- **Framework:** Node.js, Angular, Django, Agile, Scrum, Android Studio, Visual Studio Code, Adobe XD.
- **Database:** MongoDB, DynamoDB, MySQL.
- **Front-End:** HTML5, CSS, Bootstrap.
- **Cloud Computing:** Experience with Amazon AWS services tool-EC2 / S3, Microsoft Azure.

## RELEVANT EXPERIENCE

**Northrop Grumman Collaboration Project, CPP – (Backend Deputy Lead)**

July 2021 – Present

Developing a ground control system to control Aerial vehicle (UAV) and ground vehicle (UGV) and maintain communication between vehicles providing real-time data like coordinates, vehicle data.

- Worked cross functionally with UAV, UGV teams to document software requirements specifications from **Request for Proposal**.
- Learned geofencing to develop customized search area based on user input and track vehicles to avoid violation by entering restricted location.

**Kids Safeguard System – Group Project**

Aug 2018 – April 2019

Developed a customized website for **Hermance Law Firm**.

- Merged product owners existing website to the new website and User Interface created through **Adobe XD**.
- Used **scrum** framework with weekly sprints and conducted biweekly meetings with the mentor.
- Created WordPress plugins for client side and Attorney side dashboard.
- Used **Reactjs** which allows to display text as pdf and used **Pdfminer** in **Python** to convert .pdf file to .txt file.
- **Microsoft Azure** used as a web hosting platform for sampling and testing done on **Site Ground** web hosting platform.

**CSUN VEX Robotics club – (Programmer)**

Aug 2018 – Dec 2018

- Created Autonomous and Manuel drive program for **VEX Robotics Competition game**.
- We used **RobotC** (modified version of C) and **VEX Coding Studio** (C++) for robot programming.
- Build a prototype of Robot by collaborating with Mechanical Engineer team.
- Used **Pixy** tool to recognize appropriate color of flags in game.
- Increased **20% efficiency** of robot by creating autonomous code.

**Budge – Group Project**

Jan 2020 – Dec 2020

An android application that is being built with a motive to help people save money and keep track of expenditure. Application uses **Optical character recognition (OCR)** to scan and extract text from receipts and categorize them based on the store/company name into entertainment, groceries, pharmacy, etc.

- Created prototype using Adobe XD and used **Android Studio** for software development.
- Using **Scrum** framework for the development of software.
- Conducted **weekly iterations/sprints** for faster results.
- Implemented **Google's Firebase text recognition API** to extract information from receipts.

**CSUN Department of Police Services – (UX/UI Designer)**

Jan 2020 – May 2020

Developed and designed User experience for the CSUN Lost and Found department that can improve departments productivity.

- Created innovative design concepts based on a deep understanding of user needs and business objectives. Work with and/or develop user research and usability tests.
- Created wireframes, screen-flow diagrams and UI specification document.
- Promote and perform development work consistent with industry standards and best practices, design interfaces and integrations.
- Increased department productivity through various design process improvement implementations.
- **Technology Used:** - Adobe Xd, diagrams.net