NOOPUR KHACHANE

EXPERIENCE

Software Development Engineering Intern
Amazon Web Services
June 2018 – September 2018 | Seattle, WA
- Worked on Amazon Connect, a Cloud-based contact service part of AWS ecosystem.
- Instrumented microservices with AWS X-Ray to monitor health and track requests end-to-end.
- Used Java, Spring framework, and Python

Software Engineering Intern
General Atomics ASI
June 2017 – September 2017 | Poway, CA
- Contributed **Python** test scripts to code base used in automatic testing of trunk and release of Simulation software.
- Wrote scripts to test functionality of software including flight conditions of UAV model and simulated engine malfunctions
- Added features to source code in **C** based on software design requirements.

Undergraduate Researcher
Collins Biophysics Lab
June 2016 – Dec 2017
- Work in team of engineers involved in automating testing methods using **Arduino, Raspberry pi**, and LabView
- Fabricating a high throughput platform for testing planarian worms.
- Utilize imaging tools in **MATLAB** for image processing to analyze movement of planarian in response to stimuli

ACTIVITIES

Board Member
Society of Women Engineers
Oct 2015 – June 2018
- As Outreach Chair, plan events such as engineering workshops to teach high school students basics of engineering including soldering, using microcontrollers, etc.
- As Academic Chair, plan professional development and technical skill workshops in collaboration with companies and local engineering organizations for engineering students.

SEDS (Students for Exploration and Development of Space)
Oct 2017 - Present
- Build Rocket for Friends of Amateur Rocketry Competition.
- Utilize Ball Aerospace COSMOS for communication with on-flight system and pressure tables.
- Build Python system and GUI over COSMOS system for easy control of pressure valves and solenoids, telemetry with sensors, and data management.

CONTACT

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noopsi.me

EDUCATION

UC San Diego
BS Electrical Engineering
Exp Graduation 2019
GPA: 3.8/4.0

COURSEWORK

Intro to Autonomous Vehicles
Python for Data Science
Software Engineering
Probability and Statistics

SKILLS

Python
C/C++
Java
MATLAB

PROJECTS

Autonomous RC Car – Put together car controlled by Raspberry Pi based on DonkeyCar framework with Pixihawk controller.