

PREM VUPPALA

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Summary

Passionate and value-driven Engineer with 4+ years of experience in automation & software tooling.

Key Attributes: Creative, Strong business sense, High technical acumen, Good people skills and Customer-oriented.

Education

MBA - Marketing, Zarb School of Business, Hofstra University.

- Activities: ideaHUB, Financial Management Assoc., Quants & Traders Club.

MS – Electrical Engineering, University of Massachusetts, Amherst.

- Curriculum: Sensing Systems, Semiconductor Devices.

Skills

- Programming Languages: Python, Java, Javascript and C++.
- Behavioral Research: SAS, SPSS, Tobii Lab, MediaLab
- Scripting: Matlab, Mathematica, Appscript
- Other: nodejs, web-services, RPC & RESTful APIs, SQL, Android SDK, Unit testing, Git, RF design & metrology.

Experience

Behavioral Research Lab, Hofstra University

Hempstead, NY

Graduate Research Assistant

Sept, 19 - Present

- Responsible for day-to-day operations of the lab. Conduct research, monitor subjects, and coordinate studies.
- Design case studies for faculty research. Analyze collected data using Python, SAS.

Cloud Speech, Google Inc. (Contract).

Sunnyvale, CA

Software Test Engineer

Jan, 19 – Apr, 19

- Developed model optimization tools for Customer Engineers. Reduced CE reports by 80 %.
- Designed functional and load tests. Used Python and C++.
- Create test instances and established pipelines to monitor traffic & logging. Improved release efficiency by 25%.
- Authored test plans, internal release notes. Triaged enterprise customer reports.

Actions on Google, Google Inc. (Contract).

Mountain View, CA

Lead Software QA Engineer

Aug, 16 – Dec, 18

- Increased automation coverage by 900%. Authored 30+ test plans, 500+ test cases. Used Java, C++, JavaScript.
- Worked with xFn teams to drive the sprint plan. Lead a team of 4 QA Engineers. Provided technical guidance.
- Built an integration test harness to handle REST and RPC APIs to micro-services. Built interactive apps using nodejs.
- Setup CI jobs. Monitored and reported product quality. Responsible for 18% of traffic to defect reporting system.

World IP Phone Inc.

San Jose, CA

Test Engineer

Aug, 15 – Jul, 16

- Authored design documents, test plans. Developed scripts and presentations for demos.
- Underwent training on IT tools and technologies. Used Python.
- Performed feasibility study to implement IOT and conformance testing for mobile handsets.

University of Massachusetts, Amherst

Amherst, MA

Graduate Research Assistant

May, 13 – Dec, 14

- Built a cryogenic chamber for mmWave PFPA with optimized SNR and aperture efficiency.
- Using field theory principles, theoretically computed patterns, effective SNR.
- Designed, built, maintained test bench for mmWave Vector field measurements on DUT.
- Post processing and evaluation on measured data. Used Matlab, Python 2.7.

Ansys Inc.

Pittsburgh, PA

Engineering Intern

May, 13 – Aug, 14

- Designed Horn, helical antenna models for testing 3D component library in HFSS.
- Developed scenarios & design environments for the 3D component feature.