POOJA K PATEL

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EDUCATION:

University of California, Berkeley — Expected: May 2023
Master of Development Practice

Purdue University — Graduated: Dec 2018
Master of Science in Industrial Engineering — GPA: 3.97/4.00

Purdue University — Graduated: May 2015
Bachelor of Science in Mechanical Engineering, Certificate in Entrepreneurship

Skills: Hybris, Elastic Path, JIRA, Confluence, Azure DevOps, TestRail, Visio, ANSYS (Discovery SpaceClaim/AIM/Live), Working Model, Catia, Inventor, MATLAB, basic MeshLab/Blender, CORE, Solidworks, LabVIEW, Adobe Photoshop/Illustrator, Balsamiq, Visual Studio, Eclipse, basic Java/XML/HTML/CSS/R, MS Office

Languages*:* English, Gujarati, intermediate Spanish, ASL fingerspelling alphabet, basic Marathi and Hindi

Volunteering (not captured below): Fresh Produce Distribution Task Force through NJMS

Engineering Study Abroad Experience:

- Summer 2013: Engineers without Borders - Nepal
- Maymester 2013: Engineering Cultures in East Asia - China & Japan
- Summer 2011: Global Leadership - Costa Rica

WORK EXPERIENCE:

June 2019 – March 2021: **Interactive eXperiences Platform (IXP) Program Manager at Microsoft**

- Owned mouse, touchpad, and cursor programs for the Windows division for both Desktop and 10X OS; managed deliverables and dependencies across internal teams and Windows ecosystem for 10+ partners
- Developed long-term strategic and roadmap planning for external touchpad accessories, evolution of precision touchpad (PTP) and innovative hardware for differentiated experiences across operating systems (desktop and Windows 10X) that target 1B Windows users
- Served as contact point for touchpad driver engagement ensuring timely triage and resolution of critical customer satisfaction (CSAT) issues across PTPs and legacy touchpads
- Researched and developed hardware testing mechanism to automate and standardize palm rejection and increase efficiency of Hardware Lab Kit (HLK) testing by 30%; patent for the design idea has been submitted
- Determined test content and managed 150+ requirements for input-specific (touch, pen, touchpad, digitizer, keyboard, etc.) HLK tests and Windows Hardware Compatibility Specifications for vendors to validate hardware components according to Microsoft specification for existing and new form factor devices
- Worked closely with the User Experience Research team to implement a new gesture for the virtual touchpad according to user feedback, data analysis, and a gap in physical and technological limitations

May 2018 – August 2018: **UX Intern at ANSYS**

- Led icon redesign and implemented low/high fidelity visual designs and assets to stakeholders and developers for new Ansys products aimed at students and designers
- Conducted heuristic research and evaluations on existing products to identify usability issues, performance latencies, and user experience improvements
- Incorporated 30+ visual design assets (icons, color scheme, etc.) into a test harness to be used as a dynamic resource
- Prepared wireframes for various user interface (UI) components based on requirements, user research, and development constraints

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February 2016 – December 2016: **eCommerce (Elastic Path/Hybris) Sr. Business Analyst at Accenture**

- Functional Lead for a new Order Management System (OMS) workstream; managed team deliverables and backlog, organized and created workshops, and acted as a liaison to an international cruise line client
- JIRA lead in charge of maintaining JIRA/Confluence spaces and dashboards and managing team project milestones
- Coordinated testing with the technical team including data transformation mapping and creation of test data
- Synthesized use cases/test cases/steps by identifying, writing and executing regression, responsive, and multi-site tests
- Created user journey experiences, wireframes, and task flows through functional requirement gathering, client interviews, and analysis of data

July 2015 – February 2016: **eCommerce (Hybris) Developer Analyst at Accenture**

- Built and validated custom Webservices that Hybris exposed to the mobile application team
- Evaluated different software testing suites to improve software quality and reduce development costs for future projects
- Ran unit tests within Hybris and used new software testing tools to analyze the accuracy of automated test generation and cases

RESEARCH EXPERIENCE:

September 2020 – July 2021: Research Assistant (RA) at the Diversity and Social Processes Lab (DaSP) at New York University

- Identified, analyzed, and interpreted patterns of meaning within participant responses to short surveys
- Assisted with coding projects and piloted surveys in areas of research related to intergroup relations, racial inequality, and ideological beliefs

SERVICE PROJECT EXPERIENCE:

Fall 2014: **Engineering Projects in Community Service (EPICS); Global Alternate Power Solutions (GAPS) Team**

- Worked to design a solar panel mounting system for a school in Medellin, Colombia
- Built an educational prototype with a team of students for Purdue University

Summer 2014: **Volunteer for Duke Energy Academy Program**

- Worked closely with academy officials and counselors to organize events and educational lessons for participants
- Created hands-on lab and group projects for high school students on fuel and hydrogen cells

Summer 2013**: Engineers Without Borders; Engineering for Developing Communities Program in Nepal**

- Studied at Kathmandu University and worked closely with staff and students to gather villagers needs and requirements through field visits, needs assessments and contextual inquiries
- Worked on a field project and stayed onsite in Dapcha, Kavre, Nepal
- Designed, developed, and presented a community plan and built a bioreactor in the village with EWB team

Fall 2012: **EPICS; Transforming Lives Building Global Communities (TLBGC) Team**

- Project liaison with Wioso and Nerebehi villages and KNUST students in Ghana
- Designed needs assessment and presented early stages of project to project partners
- Worked on the initial design for a rainwater collection system and worked to improve the villages current education facilities with team

Fall 2011**: EPICS; Lafayette School Corporation (LSC) Team**

- Project liaison with local West Lafayette high school and middle school
- Worked to integrate a recycling and composting system and hands-on academic curriculum that meets Indiana state standards

SENIOR DESIGN PROJECT:

Spring 2015: O-Drone Project

- Mission Statement: The O-Drone proposes to develop a working prototype of a new design of drones that is safer, more reliable, and efficient, all while being aesthetically pleasing
- Performed engineering analysis, design analysis, cost estimation, and addressed design concerns
- Built proposed prototype with team, performed testing, and presented the project to Purdue University