

Abhigyan Kaustubh

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EDUCATION

UNIVERSITY OF WASHINGTON | Seattle, USA
M.S. in Information Management (Concentrations: **ML, UX, VR**)
Technology Entrepreneurship Certificate
Study Abroad (Field Ethnography) | Tahiti, FRENCH POLYNESIA
GPA: 3.7 / 4.0
Sept '15
Jan - Mar '14

UNIVERSITY OF MUMBAI | Mumbai, INDIA
B.E. in **Computer Science**
GPA: 3.8 / 4.0
Jun '12

Skills: Experienced in collaborating internationally with interdisciplinary teams for developing new products from conception to launch in various domains. Led teams to acquire various clients/sponsors over several projects. Adept at conducting design sprints and qualitative & quantitative UX research methods.

Proficient in Python (Scikit-Learn and other statistical packages), Tableau and Unity.
Familiar with R, MATLAB, SQL, C, Java, D3, JavaScript and several prototyping and testing tools.

WORK EXPERIENCE

VR Research Engineer | RATLab LLC, Seattle
Oct'15 - Present
• Researching productivity and health based solutions in virtual reality under [Prof. Tom Furness](#). (Unity, Windows 10)
• Designing research. Conducting prototyping, heuristic analysis, affinity sorting and usability testing to inform design of VR.

Program Manager | Capstone – Exploration of Marine Biology, UW CSE, Seattle
Dec '14 – Jun '15
• Acquired client and developed strategy. Led the team through all phases of the project.
• [Discovered](#) 2 types of phytoplankton groups using machine learning. (Python, R, Tableau)

Graduate Staff Assistant | UW-IT, Seattle
Jul '14 – May '15
• Collaborated with different teams and created visual analytics-as-a-service for the UW community. (Tableau, SQL, Excel)

Data Visualization Research Intern | PitchBook Data, Seattle
Jul – Nov '14
• Initiated user centered design approach in my department & collaborated with the UX team to inform the new design.
• Created interactive visualizations of the venture capital and private equity arena for the PitchBook website. (D3, SQL, CSV)

Graduate Teaching Assistant | Masters in Human Computer Interaction + Design (MHCID), UW, Seattle
Mar – Jun '14
• Assisted in developing & teaching UX Research Studio course and in building the road map for the MHCID's capstone event.

Director of Marketing | Business Information Technology Society (BITS), UW, Seattle
Mar – Dec '13
• Collaborated with multiple departments and increased students by 200%. Redesigned events and acquired new sponsors.

Software Developer Engineer Intern | MyUnfold, Seattle
Jul – Sept '13
• Led UX research (A/B, interviews) for the product and developed strategy with the executive team. (C#, Visual Studio'12)

Graduate Research Assistant | Digital Public Health (NSF, PATH) | UW CSE, Seattle
Jun – Sept '13
• [Collaborated](#) on improving the UX of video tutorials for reducing maternal & infant mortality in rural India.
• Performed design sprints, literature review, expert interviews, contextual inquiry, A/B testing and affinity sorting.

Student Consultant | Adaptive Biotechnologies, Seattle
Apr – Jun '13
• Assisted the company to gain market traction for its product "Clonoseq" (for early detection of leukemia).
• Designed a [diffusion plan](#) based on legal & business needs, market trends and technology landscape in the medical field.

Software Developer – Project Trainee | Bhabha Atomic Research Center (BARC), Mumbai
Aug '11 – May '12
• Developed UI for the Network Monitoring System of BARC. (Java (JUNG), PostgreSQL)

UX + TECH PROJECTS

- Empathy** | Seattle Jan'16 - Present
- Creating VR experiences to enhance empathy between people from different cultural and professional backgrounds.
 - Designing research and conducting interviews, design sprints, affinity sorting, heuristic analysis and secondary research.
- Lucid** | Seattle Oct '15 - Present
- Designing a VR product for increasing mental focus and agility. (Unity)
 - Conducting exploratory research, interviews, surveys, scenario analysis, analysis of clinical studies, etc.
- Rehab** | Seattle Oct '15 - Present
- Designing a VR space for treating patients with mental conditions like addiction, phobias, depression and anxiety. (Unity)
- Mind Palace** | SEA-VR Hackathon, Seattle Sept '15
- Conducted design sprints and created a virtual experience to augment human memory. [Received](#) honorable mention. (UE4)
- Computer Vision for Human Actions** | UW, Seattle Apr– Jun '15
- Implemented CV algorithms to recognize natural human actions in movies. (C++, Qt, Python)
- fMRI Brain Imaging** | UW, Seattle Dec '14
- Predicted the object that a person is looking at based on their brain scans. (Python)
- Crisis Clinic Project** | UW, Seattle Apr – Jun '14
- [Enabled](#) executives to improve resource allocation at Crisis Clinic. Created a [dashboard](#) to monitor trends. (Tableau, MySQL)
- Development through Preservation of Ancient Traditions** | UW, Tahiti, French Polynesia (FP) Jan – Mar '14
- Conducted [ethnography](#) on the indigenous medical system of FP & its effects on the native population's cultural identity.
 - Designed research proposal. Performed literature review, interviews and focus groups among the native communities.
- AfterParty** | UW, Seattle Sept – Dec '13
- [Designed](#) a machine, its interaction methods and UI to meet post-party needs of people in Las Vegas.
- SafePath/ NightHawk** | UW and Facebook Hackathon, Seattle Sept '12 – Mar '13
- [Designed](#) a mobile app for increasing pedestrian safety at night. (JustProto)
 - Research methods: interviews, focus groups, surveys, persona development, prototyping, storyboarding, scenario analysis.
- MoodLog** | UW, Seattle Sept – Dec '12
- [Designed](#) a mobile app that tracks mood of the user and provides feedback. (IDEO Method cards)

BUSINESS PROJECTS

- MyPS Bank – Startup Project** | UW, Seattle Apr – Jun '14
- [Defined](#) a business plan concerning public access to stem cell technology. Won scholarship to the Kick Incubator.
 - Collaborated with an interdisciplinary team and conducted interviews, focus groups, surveys and market analysis.
- U-Surance - Opportunity Analysis Project** | UW, Seattle Jan – Mar '13
- Developed a [business model](#) to reduce health insurance premiums with primary stakeholders in the Seattle area.
 - Conducted interviews, expert reviews, competitor analysis, A/B testing and analysis of various health regulations.

AWARDS AND ACCOMPLISHMENTS

- MSIM Dean's Scholarship, UW (2013-14). Awarded to 2 students from a cohort of 80 on the basis of merit.
- Student Representative at the Academic Council, Information School, UW (2013-14).
- Published a paper on the topic "Questioning Feedback: Improving Public Health Messaging", in the International Conference on ICTD (Information & Communication Technologies & Development), Cape Town, South Africa (Dec '13).
- 1st Place each in presenting technical papers on Cloud Computing, Face Detection & Recognition and 3D Optical Data Storage, and 1st place in Debate at Inter College Technical Competitions, PVPPCOE (2009-12).