

# Abhigyan Kaustubh

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## EDUCATION

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

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

Courses: International UX, Virtual Interfaces, Design Methods, UX Research Studio, Data Visualization, Statistics + CS

Skills: Adept at conducting various UX research methodologies in different cultural and professional environments.  
Experienced with online and in-person qualitative research methodologies such as concept testing, usability testing, ethnography, interviewing, focus groups and diaries, as well as with quantitative research methods.

Proficient in Python, Tableau and Unity.

Familiar with C, D3, JavaScript, SQL, R, MATLAB and several prototyping and remote testing tools.

Managed interdisciplinary teams. Acquired different clients and sponsors over several projects.

## WORK EXPERIENCE

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**VR Research Engineer** | RATLab LLC, Seattle Oct '15 - Present  
• Researching (**UX**) for productivity and health based solutions in VR under [Prof. Tom Furness](#). (Unity, Windows 10)

**Program Manager** | Capstone – Exploration of Marine Biology, UW, Seattle Dec '14 – Jun '15  
• Established liaison with client and developed scope & strategy for the project. Coordinated the team through all phases.  
• [Identified](#) 2 types of phytoplankton by using machine learning on Flow Cytometry data. (Python, R, Tableau)

**Graduate Staff Assistant** | UW-IT, Seattle Jul '14 – May '15  
• Conducted **UX** research and created dashboards for providing visual analytics-as-a-service to the UW. (Tableau, SQL, Excel)

**Data Visualization Research Intern** | PitchBook Data, Seattle Jul– Nov '14  
• Performed **UX** research and created interactive visualizations of the Private Equity and VC arena. (D3, SQL)

**Graduate Teaching Assistant** | Human Computer Interaction + Design, UW, Seattle Mar – Jun '14  
• Assisted the faculty and the students in **UX** research methods for the User Research Studio course.

**Director of Marketing** | Business Information Technology Society (BITS), UW, Seattle Mar – Dec '13  
• Increased student participation by 200%. Performed **UX** research, acquired sponsors and redesigned events.

**Software Developer Engineer Intern** | MyUnfold, Seattle Jul – Sept '13  
• Collaborated in unit testing, **UX** research (A/B, interviews) & bug fixing of the product. (C#, Visual Studio 2012)

**Graduate Research Assistant** | Digital Public Health (NSF, PATH) | UW CSE, Seattle Jun – Sept '13  
• [Worked](#) on improving the **UX** of video tutorials for reducing maternal & infant mortality in rural India.

**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)

**Software Developer Engineer Intern** | Larsen & Toubro InfoTech, Mumbai Jul – Sept '10  
• Reduced delays in communication between employees via **UX** research and SNS implementation. (Visual Studio '10)

## UX + TECH PROJECTS

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- Empathy** | Seattle Jan'16 - Present
- Researching for solutions that enhance empathy between people from different cultural and professional backgrounds.
- Lucid** | Seattle Oct '15 - Present
- Performing UX research for increasing mental focus and agility in VR environments. (Unity)
- Rehab** | Seattle Oct '15 - Present
- Designing a VR space for treating patients with conditions like addiction, phobias, depression and anxiety. (Unity)
- Mind Palace** | **SEA-VR Hackathon**, Seattle Sept '15
- Designed a virtual experience to extend and augment human memory. [Received](#) honorable mention. (UE 4, SketchUp)
- Computer Vision for Human Actions** | UW, Seattle Apr– Jun '15
- Implemented CV algorithms to recognize natural human actions in movies. (C++, Qt, Python)
- Textual Analysis through Visualization** | UW, Seattle Jun – Aug '14
- [Conducted](#) exploratory analysis on understanding the nature of mentorship on fan fiction sites. (Tableau, Python, CSV)
- Development through Preservation of Ancient Traditions** | UW, Tahiti, French Polynesia (FP) Jan – Mar '14
- Conducted [ethnography](#) in FP of their indigenous medical system and its effects on the cultural identity of native population.
- SafePath/ NightHawk**- Mobile UX | UW and **Facebook Hackathon**, Seattle Sept '12 – Mar '13
- Built high fidelity [prototype](#) for a mobile app for increasing pedestrian safety at night. (JustProto, HTML, CSS)
- AfterParty** – Vending Machine UX | UW, Seattle Sept – Dec '13
- [Designed](#) a machine, interaction methods and UI with my team to meet post-party needs of people in Las Vegas.
- MoodLog** – Mobile UX | UW, Seattle Sept – Dec '12
- Built a [prototype](#) for a mobile app that tracks mood of the user and provides feedback.
- Crisis Clinic Project** – Web UX | UW, Seattle Apr – Jun '14
- Created interactive [dashboard](#) of King County for Crisis Clinic to explore trends in call data. (Tableau, Excel, MySQL)

## BUSINESS PROJECTS

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- MyPS Bank** – Startup Project | UW, Seattle Apr – May '14
- [Formulated](#) a business concerning public access to stem cell technology. Won scholarship to the **Kick Incubator Seattle**.
- Diffusion of Clonoseq into the Clinics** – **Student Consultant** | Adaptive Biotechnologies, Seattle Apr – Jun '13
- Enabled the company to gain market traction for its product by designing a [diffusion plan](#) with an interdisciplinary team.
- U-Surance** - Opportunity Analysis Project | UW, Seattle Jan – Mar '13
- Co-developed a [business model](#) for a product to reduce health insurance premiums with CEOs in the health sector.

## AWARDS AND ACCOMPLISHMENTS

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- 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).
- 1<sup>st</sup> Place each in presenting technical papers on Cloud Computing, Face Detection & Recognition and 3D Optical Data Storage, and 1<sup>st</sup> place in Debate at Inter College Technical Competitions, PVPPCOE (2009-12).