Sahil Anand

User Experience Engineer

About Me

I am a self-taught programmer and an obsessive tinkerer passionate about crafting delightful, innovative and human-centered experiences with technology. I enjoy all aspects of the user-centered design field, and I specialize in creating high-fidelity functional prototypes for new product ideas and emerging technologies.

Get in touch with me at **www.sahil-anand.com | 206.954.8144 | syanand@uw.edu**

Education

M.S. in Human Centered Design and Engineering

University of Washington, Seattle | Sep 2015 – Mar 2017 (Expected)

B.Tech. in Electronics and Communications Engineering

National Institute of Technology Karnataka, IN | Aug 2006 – May 2010

Skills

User Experience - Low-to-high fidelity Prototyping, Interaction Design, Information Visualization, User-Centered Design, User Research , Usability Testing

Design - Adobe Illustrator, Indesign and Photoshop, Autodesk Maya, Axure, Sketch

Programming - C/C++ , Python , Java, HTML, CSS, Javascript , Arduino

Work Experience

Design Technologist Intern

Amazon, Seattle | June 2016 – Sep 2016

› Worked closely with researchers to study and implement a system for capturing and analyzing the emotional experience of users interacting with digital products and devices.

› Designed and prototyped the complete end-to-end workflow consisting of tools for capturing and analyzing emotional responses, visualizing results and generating reports of user experience.

› Constantly iterated on system and interface designs to simplify the workflow and improve the usability of the system.

Research Assistant, Department of Urban Design and Planning

University of Washington, Seattle | Sep 2016 – Present

› Designed and developed interactive mapping and visualization tools for understanding the impact of natural risks and hazards.

› Created a minimal viable product (MVP) for an application that allows homeowners and buyers to understand a property's vulnerability to natural and human-health related hazards.

› Collaborated with FEMA (Federal Emergency Management Agency) to develop better tools and models for estimating displaced households and shelter demands during earthquake scenarios.

Graduate Researcher, Human-Centered Robotics Lab

University of Washington, Seattle | Oct 2015 – June 2016

› Researched, designed and created functional prototypes to evaluate Social and Conversational Robots for teaching language to children in rural countries.

› Co-authored publication titled "*Automatic Adaption of Online Language Lessons for Robot Learning*" at the International Conference on Social Robots, ICSR 2016

Full Stack Engineer + Designer

IIL Technologies Pvt. Ltd, Bangalore | Apr 2012 – Sep 2015

› Designed and developed multi-platform solutions for clients to improve their marketing strategies and customer engagement with products.

› Created MVPs, mock-ups, software and hardware prototypes for validating product ideas with potential users and for product demonstrations to clients and investors.

Technology Consultant, Research and Development

India Innovation Labs (IIL), Bangalore | Jun 2010 – Sep 2015

› Collaborated with industry partners to research, develop and test numerous software/hardware prototypes and concepts for emerging technologies including Robotics, Computer Vision and Natural User Interfaces.

› Mentored undergraduate engineering students in Robotics and Computer Vision projects.