

SUKRIT VENKATAGIRI

My interests lie at the intersection of human-computer interaction, design, and psychology, where I employ qualitative and quantitative methods to better understand and improve people's experiences with technology.

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EDUCATION

Virginia Tech Blacksburg, VA
Ph.D, Computer Science (focus in HCI), GPA 3.8/4.0 2017 - present
Courses taken: Models & Theories of HCI, Usability Engineering, User Interface Software Design, Adv. Topics in HCI: Crowdsourcing, Qualitative Research Methods, Quantitative Research Methods

PES University, South Campus Bangalore, India
BE, Computer Science, First Class 2013 - 2017

TECHNICAL EXPERIENCE

Crowd Intelligence Lab, Virginia Tech Blacksburg, VA
Graduate Research Assistant August 2017 - present

- Leading research project called Ground Truth that helps journalists geolocate images using crowd workers from Amazon Mechanical Turk
- Redesigned journalist's user interface; currently conducting a qualitative study to investigate how the tool fits into journalists' real world practice and whether they trust crowd feedback
- Redesigned crowd worker user interface that lead to a 75% increase in performance

Tools: Balsamiq, Visual Studio Code, Vagrant, Qualtrics, Amazon Mechanical Turk, Mouseflow
Programming: Django/Python, HTML5, CSS3, Bootstrap 4, Javascript, JQuery, Google Maps API
Methods: Contextual Inquiry, Wireframing, Usability Testing, Heuristic Evaluation

Blacksburg Transit & Automation Creations Inc. Blacksburg, VA
User Experience Consultant January - April, 2018

- Blacksburg Transit is the public transportation provider for Virginia Tech and the town of Blacksburg, VA, that makes 1 million trips annually
- Worked with Blacksburg Transit and ACI in a team of 6 to perform a usability evaluation and provide design changes for the Blacksburg Transit iOS application for class credit
- Performed in-depth usage research by interviewing clients and several application users
- Created personas to design new feature, implemented as wireframes & wizard-of-oz prototypes
- Performed UX inspection and empirical evaluation with users to iterate on designs

Tools: Lucidchart, Google Forms
Methods: Usage Research Data Elicitation, Personas, Storyboarding, Wireframing, Affinity Diagramming, Prototyping, Mockups, Heuristic Evaluation

SciBase, PES University Bangalore, India
Data Analysis Team Lead October 2015 - May 2017

- Created a repository for scientometric information i.e. journal citations
- Responsible for designing metrics to calculate journal citations and journal internationality score
- Resulted in a publication: ScientoBASE: A Framework and Model for Computing Scholastic Indicators.. in Scientometrics, Springer-Nature. DOI: 10.1007/s11192-016-2006-2

Programming: Python (beautifulsoup, matplotlib, pandas)

HONORS & AWARDS

Rita Allen Misinformation Solutions Forum Graduate Student Fellow October 2018
Graduate Teaching Assistantship (2 years, \$95,000), Virginia Tech August 2017
Outstanding Final Year Project (top 6%), PES Institute of Technology May 2017
Runner Up (2nd/87 teams), inGenius Hackathon, ACM India October 2014

METHODS

Wireframing, Prototyping, Heuristic Evaluation, Survey Design, Interviewing

TOOLS

Balsamiq, Sketch, Adobe Illustrator, Adobe Photoshop

PROGRAMMING

Python, C/C++, R, HTML5/CSS3/Javascript, JQuery