

Current Address:

Apt 6, 203 Tee St,
Blacksburg, VA 24060

Boyuan Wang

540.998.5525
boyuan@vt.edu

Permanent Address:

Shenzhen
Guangdong, China

Education

- **Virginia Tech**, Blacksburg, VA
 - Bachelor of Science in Computer Science, Data-Centric Computing Major, GPA 3.95

Coursework

- Human Computer Interaction, Computer System, Data Analytics & Visualization, GUI Programming/ Graphics, Philosophy of Science, Data Governance, Privacy, Ethics

Skills & Specialty Areas**Full Stack Web Development**

- React, Redux, Django, Bootstrap, HTML5, CSS, JavaScript, SQL, PHP, C, Java, Python, Unity, Git

HCI Research

- R, Python, Matlab
- Contextual Analysis & Design, Conceptual Model Design, Persona Design
- Storyboarding, Heuristic Evaluation, User Study Design, Data Analysis

UI/UX & Graphic & Visual Effect Design

- Sketch, Principle, Figma, FramerX
- Cinema 4D, Photoshop, InDesign, Premiere Pro, After Effect, Illustrator, Audition

Research Achievements

- **Understanding the Challenges of Online Group Chat for Productive Discourse at Scale**, CSCW 2020 Poster, Published.
- **Find Your Twin in History: Exploring Ethical Design Challenges in Facial Recognition**, CSCW 2020 Workshop, Accepted.
- **The Effects of Incorrect Occlusion Cues on the Understanding of Bare-handed Referencing in Collaborative Augmented Reality**, CSCW Paper, Submitted.

Work/Experience

- **Research Assistant, Design Intern**, CrowdLab, Summer 2020
 - Designed and developed the functionality and UI/UX of an interactive website to promote civil war history.
 - Practiced and Applied ethical design principle. Implemented frontend code and integrated it with existing database.
- **Research Assistant, Design Intern**, TrimLab, Spring 2020 - Present
 - Collaborated with a research team to design an application for AI-based choreography practice tool. Created usable interactions. Designed user flows. Implemented frontend on Unity.
 - Conduct literature reviews on Sonification and users studies to test users' perception of different Sonification strategy.
- **Research Assistant**, EchoLab, Fall 2019 - Present

- Leading a user study project to study how users choose Animated Gifs during online Chatting. Conducted extensive literature reviews on communication theories. Designed user studies and developed user studies website.
- Designed and conducted user studies to research on visual occlusion problem in AR headset. Designed and developed an website for user study (in PHP/MySQL). Conducted thematic analysis and wrote the qualitative results section of the paper.
- Designed and moderated user studies to test the productive discourse in online group chat. Developed an instant messaging application with experimental features such as synchronize and messages across multiple users in real time (while they type). Conducted data analysis (using Pandas Python Library) and thematic analysis.
- **Graphic Designer, freelancer, Fall 2015 - Present**
 - Illustrated aesthetic concepts via multi-media through thorough & exploratory communication with clients.

Leadership, Activities, Projects

- **President, Design Lead, Developer, NeX-Studio, Fall 2017 - Present**
 - Designed 7 web and mobile applications in two years.
 - Designed numerous branding concepts, mobile sites and applications based on clients need analysis.
- **Director, Design Lead, Shenzhen High School Yearbook Committee, June 2018**
 - Led the 32 freshman team members to produce a 496 pages Yearbook in 15 days.
 - Designed the content, style, visual illustration, layout, cover of the Yearbook.
- **President, Council Representative, City High School Student Council, Fall 2015**
 - Coordinated with 2547 high school organizations, and Orchestrated city's biggest Student Fest.
- **Producer, Visual Effect Designer, Council Representative, Starlight Micro Movie, Fall 2015 - Fall 2016**
 - Shot high school's most popular microfilm with 30000+ hits & 4698 comments.

Honors

- Virginia Tech Dean's List, 5/5 semesters
- District Champion, 2015&2016 First Technology Competition, Spring 2015
- National Outstanding Solution, 2017 China Thinks Big National Competition, Spring 2017