

# Junhan (Judy) Kong

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## EDUCATION

**Carnegie Mellon University**

Aug 2015 - May 2019

*Pittsburgh PA, GPA 3.69/4.0*

Bachelor of Science in Computer Science

Additional Major in Human-Computer Interaction

Minor in Machine Learning

Minor in Statistics

## AWARDS AND HONORS

**Dean's List**, Carnegie Mellon University School of Computer Science

*Fall 2015, Spring 2017, Fall 2017, Spring 2018*

**TartanHacks 2017: Best Educational App**

Feb 2017

**TartanHacks 2016: Social Impact Prize**

Feb 2016

## RESEARCH

Anhong Guo, **Junhan Kong**, Michael Rivera, Jeffrey P. Bigham. "StateLens: A Reverse Engineering Solution to Making Existing Dynamic Touchscreens Accessible". *In submission to Ubicomp 2019*.

## PRESENTATION AND POSTERS

**Meeting of the Minds Research Exhibition**, Carnegie Mellon University      May 2018

Presented work of StateLens: A Reverse Engineering Solution to Making Existing Dynamic Touchscreens Accessible.

## PROJECTS

**Scene (TartanHacks 2017 Best Educational App, final showcase)**      Feb 2017

An AR mobile app implemented using Unity, Vuforia SDK and C#; designed to uncover information behind the scene and better inform people about world around them.

**StrongVoices (TartanHacks 2016 Social Impact Prize, final showcase)**      Feb 2016

A WebApp implemented using HTML, JavaScript and MongoDB; designed to help students with communication barriers to practice language expression and speaking.

**SafeWalk (HackPrinceton 2016 final showcase)**      Apr 2016

An Android mobile app using Google Maps API and JSON; designed for parents to keep track of kids' safety on the way home.

**Project Hack Together (PennApps 2016)**

Sep 2016

A WebApp implemented using AngularJS on front end and Firebase on back end; designed for hackers to look for teammates in hackathons.

**TEACHING****Teaching Assistant, 05-391 Designing Human-Centered Software**

Aug 2017 - Current

Graded homework assignments and helped students with groups projects.

**Teaching Assistant, 15-122 Principles of Imperative Computation**

Aug 2016 - Current

Led labs of 100+ students in total, taught recitations of 150+ students in total, held office hours, graded homework assignments.

**WORK EXPERIENCE****Software Engineering Intern, Google**

May - Aug 2018

Designed and implemented a benchmark automation platform that continuously runs microbenchmarks in full isolation, collects results, visualizes performance trend over time and detects regression.

**Software Engineering and Data Analytics Intern, Jet.com**

Jun - Aug 2017

Designed and implemented an automatic machine learning analytics pipeline to gather information from customer service calls and emails; used ML and NLP tools to perform speech recognition, text mining and relevant product detection, then auto-generate analytics data and store in SQL database.

**SERVICE AND ACTIVITIES****BHCI Student Advisory Committee**

Sep 2018 - Current

Provide feedback on CMU BHCI (Bachelor of Human-Computer Interaction) undergraduate program; collaboratively designed and successfully launched BHCI seminar course 05-300 Undergraduate Pro Seminar.

**Undergraduate Orientation Counselor**

Aug 2018

Facilitated and led activities and discussions for first-year students during orientation week; worked with house fellows and residential staff in residential community building.

**Undergraduate Student Senate**

Sep 2015 - May 2016

Member of Academic Affairs Committee; collaboratively organized Student-Faculty Lunches.

**SKILLS**

**Programming Languages:** Python, C++, C, Java, SML, C#, F#, HTML, JavaScript, R, SQL

**Tools and Platforms:** Git, Unity, TensorFlow, AWS, OpenCV, CUDA, OpenMP, Hadoop, Spark

**User-Centered Research:** contextual inquiry, heuristic evaluation, affinity diagramming, storyboarding and speed dating, surveys and interviews

**Fabrication:** 3D printing