

# HSIAO-CHING “KELLY” SU

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## EDUCATION

### Georgia Institute of Technology - Atlanta, GA

Aug. 2018 - present

- Master of Science in Computer Science, Human-Computer Interaction Specialization; GPA: 3.4/4.0 (Degree anticipated May 2020)
- Courses: Information Visualization, Computational Photography, Principles of UI Software, Machine Learning, Design&Analysis: Algorithms, Computer Graphics

### National Taiwan University (NTU) - Taipei, Taiwan

Sep. 2012 - Jun. 2016

- Bachelor of Business Administration in Information Management; GPA: 3.43/4.0
- Courses: Programming Languages, Modern Statistical Learning, Fundamental Object Oriented Programming, User Experience Design

## EXPERIENCE

### The Climate Corporation - Software Engineer Intern - San Francisco, CA

May 2019 - Aug. 2019

- Implemented end to end tests for the shopping cart, checking out, and purchasing process using webdriverio
- Accomplished all the burndown test cases by writing unit tests using Jest and grasping how features were implemented in a product
- Built a new end to end test project from scratch for a web app product, and incorporated automated test runs into CICD pipeline
- Developed test metrics and notifications on Jenkins and Slack using Bash, and made it as an essential reporting tool for the team

### 21 Vianet Group Inc. - Front End Engineer - Taipei, Taiwan

Jul. 2016 - Jun. 2017

- Developed a monitoring platform that collects data from endpoint machines, raise alarm messages, group and filter entities
- Built visualization tools for CDN infrastructure metrics helping operation engineers to monitor the entities and investigate alerts
- Created Vue.js open source UI components and wrote tests for them using Jest with code coverage higher than 95%; 🐼 vue-owl-ui
- Mentored a new junior colleague to learn front end and JavaScript development skills, empowering him to contribute new components

### Georgia Institute of Technology - Teaching Assistant - Atlanta, GA

Aug. 2019 - Dec. 2019

- Taught class CS4460 Information Visualization, graded students' reports and guided students to do coding assignment at office hours
- Gave coding lectures about D3.js and explained coding examples in class

## PROJECT

### Bimanual Interactions for Tablet Note-taking app - Atlanta, GA - 📱 NoteTakingApp

Aug. 2019 - Dec. 2019

- Defined bimanual interactions for note-taking apps on Android tablets, aiming to allow the non-dominant hand to perform touch commands
- Implemented thumb tool menu for non-dominant hand, pen, eraser, selection tool, multi-touch commands, and bimanual copy and paste

### Texture Synthesis - Atlanta, GA - 🎮 Texture-Synthesis

Jan. 2019

- Created a web applet that generates the texture of an input image to fill bigger specified dimensions using OpenProcessing and OpenCV
- Implemented adding randomness to the output image to give the output synthesis a more natural look

### Movie Dialogues Visualization - Atlanta, GA - 🎬 movie-dialogues; 📊 KeptItReal

Aug. 2018 - Dec. 2018

- Created a visualization allowing users to explore conversational themes and conversation ratios between sexes across decades and genres
- Preprocessed the data using Python, generated questions and hypotheses about the dataset and verified them by Tableau
- Rated as one of the top projects in class and became a sampler that the professor wants to show off on his website to future classes

### Hack The Library - Taipei, Taiwan - 📖 NTU-Library; 📱 HackTheLibrary

Feb. 2015 - Dec. 2015

- Reformed and developed a map-view user interface of the seat arrangement system of studying area in NTU's library by D3.js and SVG, making the interface more informative and intuitive
- Conducted user researches with a team, including interviewing users and collecting 700+ questionnaires

## VOLUNTEER EXPERIENCE

### HackNTU - Director of HackCampus - Taipei, Taiwan

Nov. 2014 - Aug. 2015

- Arranged a 3-day hackathon with 60+ volunteers in 9 departments, attracted over 1000+ nationwide students to participate

### JSDC Taiwan - Photographer - Taipei, Taiwan

Oct. 2014

- Documented two-day event of 2014 JavaScript Developer Conference; 📷 JSDC 2014 album

## SKILL & LANGUAGE PROFICIENCY

- Programming: JavaScript, Python, Java
- Framework & Tool: React.js, Vue.js, D3.js, Node.js, Express.js, Jest, Webpack, Java Swing, Android, SQL, OpenCV, OpenGL, Selenium, Jenkins, git
- Software: Illustrator, Photoshop, Adobe XD, Sketch, Tableau