

JULIE (YU-CI) PAN

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github.com/ycp217

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http://ycp217.github.io

EDUCATION

New York University

Mathematics and Computer Science, May 2016 (expected graduation date)

Relevant Courseworks

CS: Basic Algorithms, Numerical Computing, Computer System Organization

Math: Multivariable Calculus, Math of Finance, Theory of Probability, Analytical Statistics

Leadership: Tech@NYU executive board member — Startup Week Planning Team '14 — current

Planned a 9-day, 26 events series alongside a team of six for two semesters in a row. The events included workshops, panels, a career fair, and a startup-themed mini-hackathon.

Programming Languages: Python (Numpy/Scipy), Matlab, Javascript, Java, Ruby (on Rails)

PERSONAL PROJECTS

Chintastic Photo Booth—Javascript, HTML5

3rd Place Overall at HackNY Hackathon '15 Spring

Real-time chroma key (greenscreen) camera webapp for your chin. Select your pick of moving background and music. Worked with a team of 4. My part included mainly camera permission, video input/output, recording, etc.

API/libraries used: WebRTC

Think Twice for Change—Javascript, HTML, Python

Best UI/UX Award at Chimehack2 '15

A responsive site where people can send anonymous, pre-written messages sorted by behavior category to friends or acquaintances that they notice creating a hostile environment for women or threatening their safety. Team of 1 dev, 1 designer, and 1 content person. My part included all backend/frontend code (excluding design) such as setting up Flask server-side logic, making API calls from server, making Ajax calls to backend from client, and various client-side JS logic.

API/libraries: Sendgrid, Nexmo, Foundation, Flask (Python microframework), jQuery

Chroma Keyboard—Javascript, HTML5, CSS3

Best Use of Google API Prize at Pearl Hacks '15

Team of 2. Real-time playable piano/animations by targeting colors through camera. My part included camera input, motion sensing through pixel selection, audio output/event listeners.

API/libraries used: WebRTC, tracking.js, beeplay.js, Transit, jQuery

Stacks on Stacks—Javascript, HTML, CSS

TechCrunch Disrupt NYC Hackathon '15

Team of 2. Chrome browser dev workflow plugin that runs in the background and keeps track of all StackOverflow questions/top answer in a side pane. My part included creating the “backend” for data using JSON within the browser using Chrome Local Storage and implementing data scraping/ adding/deletion logic.

API/libraries used: Chrome API

EXPERIENCES

Cisco Systems

San Jose, CA

Software Engineering Intern I, Summer 2015

Ethernet Access Switching Group. Working on the User Centric Interface project under APIC-EM, Cisco's

Software-Defined Networking platform. My role includes:

- creating controllers and models for the UI in Backbone.js
- making Ajax rest calls to various external server endpoints to interact with data in model
- generating a topology visualization using force-layout from D3.js