

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: Data Structure, Computer Systems

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. The events included workshops, panels, a career fair, and a startup-themed mini-hackathon.

SKILLS

- **Programming Languages:** Java, Ruby (on Rails), Python (Numpy/Scipy), R, Matlab, Javascript, HTML5
- Familiar with Adobe Creative Suite (mainly Photoshop and Premiere)
- Familiar with Google SketchUp and ANSYS Maxwell

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

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

Stardazed—OpenCV, Javascript, HTML5, CSS3, Oculus

Bitcamp '15 Submission

Team of 2. Browser-based facial tracking hack that uses a camera for input where each face detected is replaced by a celebrity's face. Implemented for MozVR and Oculus VR headset. My part included implementing the camera, facial tracking, and canvas pixel overlaying.

API/libraries used: OpenCV, Transit, jQuery, Tracking.js

Peck—Ruby on Rails, PostgreSQL, deployed on Heroku

WIP - Foreign Language Learning site with slides, quizzes, and user functions. A side-project between me and a designer/developer friend. I worked on the slides, quizzes, user functions/persistence using MVC structure.

EXPERIENCES

Kliphit

New York, NY

iOS Intern, Summer 2014

Kliphit is a mobile application company with a strong focus on video streaming in a mobile environment.

- Planned and brainstormed app specifications and planned execution
- Designed and put together app wireframes in development stage
- Developed parts of the demo application in a team setting
 - Worked on various MVC controllers in iOS demo application, mostly on user login functionalities

Neuroprex Inc.

Cupertino, CA

Media Intern, Summer 2013

Neuroprex Inc. is a medical device company working on trans-cranial magnetic stimulation devices that are used on treating neurological conditions such as bipolar syndrome and depression located.

- Produced, directed, and edited promotional videos
- Edited and analyzed industrial 3D models of medical devices in ANSYS Maxwell