

# HELEN QU

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## UNIVERSITY OF PENNSYLVANIA

2013 – 2017

### EDUCATION

#### candidate for b.s. in engineering, computer science

- *RELEVANT COURSEWORK*: Operating Systems, Automata / Computability, Complex Analysis, Intro to Computer Architecture, Math Foundations in CS, Programming Languages & Techniques I & II, Engineering Statistics, Partial Diff. Eq., MATLAB, Linear Algebra, Mechanics, Electricity & Magnetism

## YAHOO, INC. growth + emerging products

May – August, 2015

### WORK EXPERIENCE

#### software engineering intern | san francisco, ca

- Helped develop Yahoo's newest emerging product, an Android launcher
- Implemented efficient data querying via reactive programming, notification badges for app folders, live wallpaper previews, full bleed status bar / soft buttons

## UNIVERSITY OF PENNSYLVANIA genomics

Sept 2015 – present

#### research intern | philadelphia, pa

- Using machine learning to predict protein folding and secondary / tertiary structure given a sequence of amino acids with Dr. Junhyong Kim

## POINT.IO

Jan – May, 2015

#### junior developer | philadelphia, pa

- As UI/UX lead, designed and implemented UI of node-webkit installer for Cakewalk audio mixing software

## HACKPRINCETON

Fall 2014

#### voicebox, top 20 hack

- <http://devpost.com/software/voicebox>
- Chrome extension to voice-activate Gmail; I wrote the speech synthesis & Gmail UI automation components in Javascript

## VTHACKS

Spring 2015

#### smartbets

- <http://devpost.com/software/smartbets>
- Web app for running competition betting rooms using Venmo; I implemented the web application framework & designed the frontend (Django + HTML/CSS/JS)

## YHACK

Fall 2014

#### shareyo, devpost staff pick

- <http://devpost.com/software/shareyo>
- Chrome extension for sharing your current active page via Yo

### ACTIVITIES

## PENNAPPS

March 2014 – present

#### head of sponsorship

- Raised \$400k in corporate sponsorship to run a 2,000-person student hackathon, the largest in the world
- Led a 7-person sponsorship committee

## DINING PHILOSOPHERS

Jan – May, 2015

#### community leader

- Started a 330-person community of Penn students interested in hackathons

## PENNAPPS FELLOWS

Jan – May, 2015

#### web designer/developer & program organizer

- Designed and implemented <http://pennappsfellows.com>, raised sponsorship, wrote marketing materials, represented at outreach events

### SKILLS

Java, Android, Python, OCaml, C, HTML, CSS, JS, MATLAB, reactive programming