

HSIN-WEI (Vivie) WEN

New York, NY

github.com/viviechu

[linkedin.com/in/hsin-wei-vivie-wen-075ab391](https://www.linkedin.com/in/hsin-wei-vivie-wen-075ab391)

viviewen.space

Phone: (415)-308-8781 | Email: hw2428@columbia.edu

Fullstack Web Application Developer

TECHNICAL SKILLS

Proficient: JavaScript, CSS3 / SCSS, HTML5, Node.js / Express, MongoDB, jQuery, AngularJS, SQL, Git

Knowledgeable: Bluebird, Python, Gulp, Bootstrap, PhantomJS, Ionic, D3.js, TypeScript

Some experience: C++, Matlab, Socket.IO, Tessel

Unit Testing: mocha, Jasmine

Operating System: Mac OSX, Windows

PROJECT EXPERIENCE

GhostRunner <http://ghostrunner.xyz> Sept 2015-Nov 2015

- Web/ iOS/Android workout app that tracked user run routes, current average, saved run data and shared with notification and challenged friends
- Designed and developed fully responsive hybrid app using Ionic for frontend and Node.js for backend
- Customized Angular directive using Google Map API and Geolocation to track user's current run position

MyHome <http://secure-beach-8890.herokuapp.com/> [Github](#) Sept 2015-Nov 2015

- Deployed dynamic housing loan rate calculator web app with housing recommendation and location finder
- Designed and developed web app using AngularJS for frontend and Node.js for backend
- Allowed users to retrieve information about housing info using Zillow API and the latest loan rate using PhantomJS on the backend

StackStore <https://glacial-chamber-2671.herokuapp.com/> Sept 2015-Nov 2015

- Deployed e-commerce platform that allowed client to create, manage and run product sales on the site
- Designed and developed web app using AngularJS for frontend and Node.js and MongoDB for backend

WORK EXPERIENCE

MEMORIAL SLOAN KETTERING CANCER CENTER

Rockefeller Research Laboratories Structural Biology Department

New York, NY

Laboratory Technician

Nov 2014-Sept 2015

- Designed and constructed plasmid with fusion protein and utilized molecular cloning technique to create stable cell line that express single-molecules in vivo transcription under fluorescent microscopy
- Developed and maintained 20 variations USO2 cell line to express fluorescently labeled general transcription factors, mRNAs for innovative 3D imaging technique
- Presented data analysis and findings in weekly meeting with team members of 10 people

KARTIK CHANDRAN LABORATORY, COLUMBIA UNIVERSITY

Earth and Environmental Engineering Department

New York, NY

Research Scientist

May 2014-Nov 2014

- Designed and developed a system that will optimize efficiency of existing water treatment plant by 10-20%
- Successfully controlled the biological activity in secondary treatment for 20% increased growth rate in our specifically modified system

EDUCATION

Fullstack Academy of Code

New York, NY

Software Engineering

Sept-Nov 2015

Web development course with a focus on the MEAN stack: MongoDB, Express, AngularJS, and Node.js

Columbia University, The Fu Foundation School of Engineering and Applied Science New York, NY

Master of Science in Chemical Engineering

Jan 2013-May 2014

University of California, Los Angeles

Los Angeles, CA

Bachelor of Science in Biochemistry

Jun 2009- Dec 2012