

Thomas Lam

<http://thomaslam.rocks>

Github: thomaslam | LinkedIn: thomaslam95

tlam18@amherst.edu | 714.364.7984

EDUCATION

AMHERST COLLEGE

B.A. COMPUTER SCIENCE

GPA: 3.8/4

Expected May 2018 | Amherst, MA

THE LOOMIS CHAFFEE SCHOOL

Grad. June 2014 | Windsor, CT

Programming bootcamps:

MakeSchool | Summer 2014

HackReactor | Summer 2015

SKILLS

PROGRAMMING

Languages

Java • Javascript • Python • R

MATLAB • Octave • SQL

HTML/CSS • Sass

Objective C • C

Libraries/Frameworks

MEAN stack: MongoDB • Angular •

Express • Node.js

jQuery • Bootstrap

Backbone • D3

TravisCI • Mocha/Chai TDD

Toolkits/Platforms

Git • Vim • Grunt • Gulp • Linux

LANGUAGES

Vietnamese: native or bilingual proficiency

Spanish: elementary proficiency

RELEVANT COURSES

Computer Systems I, II

Data Structures and Algorithms I, II

Networks and Cryptography

Compiler Design

Programming Language Paradigms

Database Design

Online:

Andrew Ng's Machine Learning

PROJECTS

GOD OF GOLF | PUZZLE/SPORTS BASED IOS GAME

- Design, code and publish an original game to the App Store
- Objective-C, Cocos2D, Spritebuilder

ROCK, PAPER, MYO | IOS GAME USING INPUT FROM MYO ARMBAND

- Integrate Myo API to translate armband gestures into game inputs
- Won best hack using Spritebuilder framework at YCHack 2014

IMAGELY | IMAGE-BASED LANGUAGE LEARNING WEB APP

- Implement both front end and back end logic with MEAN stack (Front-end: AngularJS; Backend: Express, NodeJS, MongoDB)
- Design with Bootstrap and FlatUI CSS
- MongoDB schema design and queries with mongoose ODM
- Integrate visual recognition into web app via AJAX calls to Clarify API
- AngularJS, MongoDB, Express, NodeJS, Clarify visual recognition API, Yandex Translation API

HOTLINEBING | SEARCH BY BING OR FIND CHEAP HOTEL DEALS USING TEXT MESSAGING

- Integrate finding hotel deals capability by PriceLine API
- Integrate HP-HavenOnDemand Entity Extraction API for understanding and tokenizing user input messages
- Twilio SMS text messaging API integration
- MongoDB schema design and queries with mongoose ODM
- MongoDB, Express, NodeJS, Microsoft's Bing API, Twilio API, PriceLine API, BrainTree API, HP-HavenOnDemand Entity Extraction API
- Won best hack using PriceLine API, 2nd best hack using HP-HavenOnDemand API at YHack 2015

SPONTANEITY | GEOLOCATION-BASED SOCIAL WEB APP

- Form validation with a MeteorJS module; chief designer with Bootstrap
- MeteorJS, Bootstrap
- Won best web hack at Hack@Smith 2015

RELEVANT EXPERIENCE

2015-present TA grader for CS112 (Intro to CS II)

2014-present Amherst College ACM CS Club executive board member

AWARDS & SCHOLARSHIPS

2015-present Amherst International Student Scholarship

2014 Cum Laude Society member

2011-2014 Henry Kravis Scholarship