KHA NGUYEN

4120 11th Ave NE APT #109, Seattle, WA, 98105

253-298-0085, ykha@cs.washington.edu, github: ykhanguyen, website: http://www.kylenguyen.xyz/

EDUCATION

University of Washington, Seattle, WA   expected December 2017
- **Bachelor of Science** in **Computer Science**. **Class**: Senior. **GPA:** 3.59
- **Coursework**: Foundation of Computing I/II, The Hardware/Software Interface, Software Design and Implementation, Data Abstractions, Web Programming, Programming Languages, Systems Programming, Introduction to Operating Systems (in progress), Introduction to Data Management (in progress).

SKILLS

Programming	Java, C, C++, Javascript, Python, Php
Programming (Familier)	SML, Racket, Ruby
Libraries/Platforms	Node.js, Express, jQuery, Bootstrap, Handlebars
Makeup/Templating	HTML, CSS
Databases	SQL
Operating Systems	Linux, Mac OS, Windows

EMPLOYMENT

Computer Science Tutor, Tutoring Center, Highline College

January 2015 – August 2015
- Tutored students for Java assignments.
- Answered questions about class lectures for approximate 60 students in Computer Programming I/II (CSCI 142/ CSCI 143) classes.

VOLUNTEER

Undergraduate Researcher, **Human Centered Robotic Lab**, University of Washington

April 2016 – June 2016   *github.com/ykhanguyen/ROS*
- Skills: ROS (Robot Operating System) publishers and subscribers, OpenCV basics, ROS networking.
- Create a node that subscribes to an image topic of the PR2 robot, and publishes a black and white version of that image.

Project Practicum, **Dr. Anat Caspi,** University of Washington

April 2016 – July 2016
- Skills: Grails, Php,Html, Javascript, Prosodylab Aligner, TextGrids, Bash Shell Scripting
- Created a plugin for the OSREAD (Open Source Reading Education Assessment & Diagnosis) in Grails where researchers can assign assessment of voice and images for their patients as a JSON file and view the progress as a .CSV file. (Link: *github.com/ykhanguyen/ImageExample*)
- Created the server to input images and audios in Php
- Trained Prosody with new words and aligned Children's data through TextGrid files.

Teaching Assistant Intern, Computer Programming II (CSCI 143), Highline College

September 2014 – Dec 2014
- Graded homework for over 30 students and held office hours every week to tutor students.

PROJECTS   (more at **https://github.com/ykhanguyen** and **http://www.kylenguyen.xyz/projects**)

"Eng-Vi Dictionary" (Team project)
- Javascript, jQuery
- Google chrome extension. It's currently available on the chrome web store and has up to 200 users.
- Translate a selected word to Vietnamese, then display the definition and the pronunciation on the movable pop-up window.

"US Citizenship Test" (Team project)
- Javascript, Php, Ajax, jQuery, SQL
- 100 Citizenship Questions in both English and Vietnamese

"Money Rain Multiplayer"

(Personal project)
- JS, Nodejs, Socket.io, jQuery
- Multiplayer, chat server

"Escape the cave" (Personal project)
- SFML, C++, Visual Studio, Xcode
- Games demonstrates the use of click/touch events, collision detection, unit movement.
- Mission of the game is to escape the cave safety