KHA NGUYEN

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EDUCATION

University of Washington, Seattle, WA   expected December 2017

- **Bachelor of Science** in **Computer Science**. **Class**: Senior. **GPA:** 3.59
- **Applicable Coursework**: The Hardware/Software Interface, Software Design and Implementation, Data Abstractions, Web Programming, Programming Languages, Systems Programming, Introduction to Data Management (in progress), Introduction to Data Management (in progress).

SKILLS

Programming	Java, C, C++, Javascript, Python, Php
Programming (Familiar)	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 basic Java 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   *github.com/ykhanguyen/ImageExample*

- 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 voices and images for their patients as a JSON file and view the progress as a .CSV file.
- 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.
- Mission of the game is to strengthen players' memorization and reaction.

"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.