

ALIYA RENEE KHAN

SUMMARY

I enjoy deep conversations and big ideas. I am hoping to pursue a career in research or software engineering. I am currently seeking out internships for the summer of 2018. Please contact me for more information.

CONTACT

✉ khanal@umich.edu

☎ 7346606064

🌐 aliyaareneekhan

EDUCATION

University of Michigan
B.S. Computer Science 2019
B.A. Anthropology 2019
GPA: 3.71/4.00
Minor in Japanese Language

SKILLS

FRONT END EXPERIENCE: JavaScript, HTML, CSS

BACK END EXPERIENCE: C++, Python, PHP, C, ARM Assembly

FRAMEWORKS AND LIBRARIES: Jinja, C++ Standard Library, jQuery

SOFTWARE: Autodesk Maya, ArcGIS, 3D Coat, Unity, Photoscan

LANGUAGES: English (Native), Spanish (Professional working proficiency), Japanese (Conversational)

COURSEWORK: EECS 485: Web Systems, EECS 376: Foundations of Computer Science, EECS 281: Data Structures and Algorithms, EECS 370: Computer Organization, EECS 388: Computer Security, STATS 250: Statistics and Data Analysis, MATH 417: Matrix Algebra I

RELEVANT EXPERIENCE

Loop

Software Engineering Intern

Ann Arbor based iOS app that suggests local events based on user interests and previously attended events. Took Google Web Analytics courses in Search Engine Optimization and Data Analysis in preparation for this internship. Created a PHP script for the company website that generates a unique and descriptive slug for each event in the database so the individual event pages in the database would be more likely to show up in a Google search.

Ann Arbor, MI

Jan 2017 to Aug 2017

iD Tech Camps

Instructor

Taught a variety of intensive one-week courses involving topics such as introductory C++, assembly, and Python, as well as building a laptop using a Raspberry Pi and 3D modeling and animation in Autodesk Maya. Catered towards a variety of age groups and individual needs of children ages 7-17, helping over fifty students total create substantial working code or models. Taught Tynker, an introductory coding language designed for young children aged 7-9, for two weeks. Developed engaging and instructive lesson plans and activities for students. Organized and led several educational activities including museum tours and design challenges

Ann Arbor, MI

Jun 2017 to Aug 2017

The Gabii Project

Research Assistant

Used ArcGIS to map an archaeological site which is located in Gabii, Italy. Worked with 3D Coat, PhotoScan, and the Unity Gaming environment to turn photographs taken of the site into a user-friendly, three-dimensional, interactive virtual representation. Traveled to Gabii, Italy and received direct training in photogrammetry, 3D modeling production, and archaeological topography. The published 3D environment will greatly influence how archaeological information is recorded by preserving a visual representation of the artifacts and structures in their original contexts.

Ann Arbor, MI and Rome, Italy

Sep 2015 to Apr 2017

PROJECTS

Personal Website

In the process of developing an interactive personal website including a professional page, a blog, and a photo gallery. Utilizing HTML and CSS with Jinja for front end design.

EECS 485 Instagram Project

Used Python and HTML with Jinja templates in order to develop a static website generator.

Bunpou Bento Japanese Grammar Learning Website

In the process of developing an interactive website to teach first and second year Japanese students verb conjugation and grammar patterns. Utilizing HTML and CSS for the static site with JavaScript to provide some interactivity to the verb conjugation practice. The website has not been published yet but should be within the next month.

ACTIVITIES

Kappa Theta Pi Professional Technology Fraternity

Eta Kappa Nu (Electrical Engineering and Computer Science Honor Society)

EECS 183 Grader

MOSAIC (Stockwell Hall Multicultural Council) Secretary 2016-17

UROP Program Research Presentations

UROP Symposium Winter 2016, Department of Classical Studies Research Symposium Winter 2016, International Institute Award Grantee Symposium Fall 2016, International Institute Award Grantee Panel Winter 2017

VOLUNTEERING

Arbor Hospice · Volunteer Care Provider

2014 to 2015