

MATTHEW LAM

linkedin.com/in/matt-lam
minghinmatthew.lam@alumni.ubc.ca

EDUCATION

THE UNIVERSITY OF BRITISH COLUMBIA

VANCOUVER, BC · EXPECTED GRADUATION - MAY 2019

MAJOR | BASC. COMPUTER ENGINEERING

GPA: 3.8/4.0

Honors: Dean's List of Engineering 2015-2016, 2016-2017

Relevant Coursework: Digital Systems Design, Relational Databases, Algorithm Design and Analysis, Principles of Software Construction, Operating Systems, Computer Design Studio, iOS & Swift 3, Unreal Engine Development

UNIVERSITY OF CALIFORNIA, BERKELEY

BERKELEY, CA · HAAS SCHOOL OF BUSINESS, BASE PROGRAM STUDENT 2018

Relevant Coursework: Financial Accounting, Organizational Behavior, Marketing

PROFESSIONAL EXPERIENCE

MICROSOFT VANCOUVER SOFTWARE DEVELOPMENT INTERN

VANCOUVER, BC · JAN 2018 - APR 2018

- Developed a mixed reality HoloLens application, in partnership with the British Columbia Cancer Agency, that visualizes tumour data in interactive 3D space to provide a new perspective for cancer researchers
- Optimized a Unity game object representing a 50,000 cell model that users could interact with through voice, keyboard, and HoloLens gestures at 60 frames per second
- Leading a team of interns through personal experiences in fast agile development methods, resulting in a 3D model prototype programmed with C#, a week before the set timeline.

JUNIPER NETWORKS SOFTWARE DEVELOPMENT INTERN

OTTAWA, ON · MAY 2017 - AUG 2017

- Co-implemented a python regression testing framework that improves the efficiency of code developing
- Implemented an easy to use testing structure allowing any user, even those not familiar with python, to apply the regression test to their repository
- Code documentation published on company wiki site and led live presentation in front of both Ottawa departments to explain for future maintenance and extensions

MICROSOFT ASIA SOFTWARE DEVELOPMENT INTERN

BEIJING, CHINA · MAY 2016 - SEP 2016

- Individually created an automated system for retrieving reviews, which improved the productivity of the product development team in making feature adjustments
- This automated system ran using Python, MySQL, and HTTP requests to retrieve reviews
- Improved user experience by optimizing underused features on our Android Launcher

PROJECTS

SoC MEDICAL HEALTHCARE SYSTEM

- Led a team of four in the creation of a medical healthcare application that allows caregivers to better understand, manage, and act in situations where the patient is in need of emergent help
- Planned an agile development model and user feedback surveys, improving time management and features
- Integrated a firebase database to keep track of each patient's medical information, and achieved asynchronous capabilities by running AsyncTasks and Bluetooth Services on background threads

HOTEL MANAGEMENT WEB APPLICATION

- Programmed a web application that models functionalities required for a hotel management system, and included different features between customer and employee usage
- Created a user-friendly interface through JavaScript and HTML/CSS, and utilized JQuery and a PHP script as the connection between user interaction and database information

CHARITY AWARENESS ANDROID APPLICATION

- Developed an Android application targeting an interactive method for spreading awareness for charities, by allowing all users to create and/or spread campaigns for charities at ease
- Implemented a firebase database that kept all user, charity, and campaign information

SKILLS

- C/C++
- Eclipse and Visual Studios
- Web-design (HTML, CSS, Javascript)
- Python, PHP
- MySQL, SQL, Oracle
- Java
- LINUX, Windows, Mac
- Git
- Unity

INTERESTS

- Executive member of Hong Kong social club organizing annual ski trips for hundreds of fellow members
- Activity: NBA, swimming, gym, rock climbing, UBC Club Basketball, Volleyball, & Ultimate Frisbee