

# Eugene Chiong

Phone +1 (650) 550 0024  
Email me@eugene.codes  
Website eugene.codes

## Education

Aug 2015  
to Dec 2016

### **Carnegie Mellon University, Entertainment Technology Center (ETC)**

Master of Entertainment Technology  
Specialization: Virtual and Augmented Reality, Game Design

Aug 2015  
to Dec 2016

### **National University of Singapore (NUS)**

Bachelor of Computing (Computer Science), Honours

## Projects

Sept 2016  
to Dec 2016

### **MixAR - ETC, Lead Programmer**

Explored how AI agents enhances users' experiences in AR on the Microsoft Hololens

July 2016

### **ChromeLens - Hackathon, 2nd Place**

Built a set of Chrome developers tools for fellow developers to build websites suited for the visually impaired in a team of 4 in under 24 hours.

Jan 2016  
to May 2016

### **VR Exploration - ETC, Lead Programmer**

Built several rapid prototypes in small teams to research on novel VR mechanics and built 2 VR experiences for Viacom to showcase in their headquarters.

Sept 2016  
to May 2016

### **Unity Game Development Scripts - Personal Project**

Created a set of scripting tools for Unity game development, allowing developers to streamline their workflow, resulting in significantly lower development time.

Sept 2016  
to May 2016

### **3D Realtime Gesture Recognition - NUS, Dissertation**

Pioneered a gesture learning and recognition algorithm for 3D hand gestures with the Leap Motion using the k-Nearest Neighbors algorithm

## Work Experience

Mar 2017  
to Present

### **Software Development Engineer, Android - Amazon Music**

Designed and developed new features for the Amazon Music application on Android and Kindle Fire devices, and designed new workflows to streamline team operations.

May 2016  
to Aug 2016

### **Software Development Engineer Intern - Amazon Music**

Created a UI component to replace the current one to improve user navigation and playback experience, and was released to all Android and Kindle customers.

May 2015  
to Aug 2015

### **Full Stack Developer, Co-Technical Lead - Glints**

Integrated Elastic Search to allow job applicants and companies to search for each other, created a ranking algorithm based on users' preferences and background

## Skills

Programming  
Platforms  
Courses

Java, Python, C#, C++, Javascript, HTML/CSS, SQL, CUDA, OpenCV

Android, Linux, Amazon Web Services, Unity

Computer Graphics, Computer Vision, Software Engineering, Machine Learning