

## EDUCATION

**University of California, Irvine** | Undergraduate

AUG. 2015 — JUN. 2019

- Major: **Computer Science**
  - Specializations: Algorithms and Intelligent Systems
- Major GPA: 3.73 — Cumulative GPA: 3.22

## PROGRAMMING SKILLS

### Languages & Libraries

- Java
- C++
- C
- Python
- C#
- OpenGL & DirectX
- HTML5 & CSS3
- x86 Assembly
- Android SDK
- Selenium

### Systems & Tools

- Git / GitHub
- CMake
- Maven
- Gradle

### OSes & IDEs

- Windows
- Linux
- Visual Studio
- Eclipse

## WORK EXPERIENCE

**UC Irvine Office of Information Technology** | Student Programmer

MAY. 2016 — PRESENT

- Develop open source backend internal frameworks in Java
  - Planned and created a plugin-based testing suite to facilitate modular and reusable testing
  - Designed a wrapper library to simplify Selenium usage
  - Built an in-house performance testing framework for distributed load testing of servers
  - Developed an encryption API and command-line interface to standardize password encryption
- Set managed technical standards and practices, including use of version control and code reviews
- Designed an automated HTML reporting scheme for test reports using Bootstrap

**Cryptix** | Lead Developer

AUG. 2014 — JUN. 2017

- Designed a universal virtual driver to allow mobile devices to act as a direct input device
- Worked on virtual reality applications with emphasis on real world emulation
- Collaborated on small game development projects using OpenGL and DirectX with C++ and Java

**Mechler Group** | Investment Consultant

NOV. 2013 — AUG. 2014

- Provided information and assistance on cryptographic currencies
- Worked with investors to design a scheduled pool swapping system in an attempt to maximize profit margins
- Built an extendable proxy control server as a centralized communication hub for mining systems

**Aegis Gaming NPO** | Head of Network Management

NOV. 2010 — AUG. 2015

- Designed server software to load balance the network's traffic
- Built scripts to automate and assist in server maintenance
- Led training sessions for 50+ staff on basics of Java and Linux shell