

Kevin Clark

TECHNICAL SKILLS

Languages: **Java** (4 years); **Python**, **C** (3 years); **Bash and Linux Command Line** (2 years); **C++**, **JavaScript**, **Scala**, **SQL** (1 year)

OSes: **Windows 7**, **8**, and **10**; **Ubuntu**

Technologies and Models: **Embedded Systems** (*Arduino Uno* and *TiVo Launchpad*); **Unreal Engine 4**; **CouchDB**; **Cordova**; **Hidden Markov Models**; **Artificial Neural Networks**

EXPERIENCE

Detection Technologies – *Software Development Intern*

MAY 2018 – PRESENT, Houston, TX

- Explored machine learning avenues and developed technologies utilizing statistical analysis in **Python** for use in identifying failing chemical tank sensors.
- Worked with **NodeJS**, **JavaScript**, and **SQL** as part of a large scale, full-stack project involving a website and native iOS and Android **Cordova** applications.
- Utilized Agile principles to participate in team-based web development.

University of Houston-Victoria – *Machine Learning Researcher*

MAY 2017 – AUG 2017, Victoria TX

- Applied theoretical knowledge of machine learning to develop atomic gesture recognition software.
- Participated in multidisciplinary projects in areas such as virtual reality, human-computer interaction, and robotics.
- Designed applications in **C++** and **Unreal Engine 4**.

EDUCATION

Rice University – *BS Computer Science, expected – Current GPA: 3.34*

AUG 2016 – MAY 2020, Houston, TX

Relevant Coursework: **Advanced Object-Oriented Programming**; **Algorithmic Robotics**; **Algorithmic Thinking**; **Compiler Construction**; **Functional Programming**; **Fundamentals of Parallel Programming**; **Introduction to Program Design**; **Introduction to Computer Systems**

PROJECTS

From-Scratch Web Server – *C*

- Designed and implemented a REST API web server, processing HTTP GET, PUT, POST, and DELETE requests concurrently with a threadpool. Hosting my personal website with this server implementation.

Search Quick Launcher Application – *Java*

- Designed and implemented in Java a platform agnostic minimalistic search prompt that parses input commands and directs the user to an appropriate website based on the query.

PUBLICATIONS

Sensory Fusion and Intent Recognition for Accurate Gesture Recognition in Virtual Environments, **International Symposium of Computer Vision**, Not Yet Available

Spectroscopic and Electrochemical Properties of Electronically-Modified Cycloplatinated Formazanate Complexes, **American Chemical Society**, 2018

