

# Kevin Clark

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## 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