

# Patrick Paxson

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Experienced in a wide range of computer science topics, from database management to RESTful API to robotics, and interested in exploring even more!

## LANGUAGES

Java  
Python  
C/ C++  
C#  
JavaScript  
HTML  
CSS  
MySQL  
Objective-C  
CocoaPods  
PHP  
SQL  
Swift  
Assembly Language

## OPERATING SYSTEMS

Mac OS  
Linux  
Microsoft Windows  
Android  
Chrome OS  
iOS

## SOFTWARE SKILLS

Amazon Web Services  
Git  
Testing  
REST API  
JSON  
jQuery  
Microsoft Azure  
Microsoft Dynamics 365

## ADDITIONAL SKILLS

Communication  
Research  
Mathematics  
Leadership  
Teamwork  
Microsoft Office 365  
Presenting  
Bioinformatics

## EXPERIENCE

**SOFTWARE DEVELOPER** • Advanced Technologies Integration, Inc.  
*San Diego, CA • June 2018-Present*

- + Developed an iOS digital checkup app with **Objective-C** and **CocoaPods**
- + Created a webpage using Microsoft Dynamics, **JavaScript**, and **CSS**
- + Managed a database and created queries using **PHP** and **MySQL**
- + Created handwriting recognition software with TensorFlow and **Python**

**SOFTWARE INTERN** • Lone Wolf Development, Inc.  
*San Diego, CA • May-September 2018*

- + Created RESTful API calls with **C#** programs
- + Tested API calls with **HTML** and **jQuery**
- + Researched cloud software and presented a compare/contrast report
- + Developed in a Microsoft Azure test environment using **C#**

**COMPUTER ENGINEER** • San Diego Robotics 101  
*San Diego, CA • September 2014- August 2017*

- + Developed remotely with Git source control
- + Developed in **Python** and **C++** to create a state machine
- + Constructed a robot using aluminum, PVC

**RESEARCH INTERN** • Singlera Genomics, Inc.  
*La Jolla, CA • June-August 2016*

- + Chemically prepared blood and feces samples for testing
- + Researched CRISPR DNA sequences for testing purposes

## EDUCATION

**BACHELOR OF COMPUTER SCIENCE** • University of California San Diego

*La Jolla, CA • September 2018-June 2021 (Expected)*

- + **GPA: 3.93**, Provost Honors, Earl Warren College Honor Society
- + Pursuing minors in General Biology and Music
- + Founder and President of Triton Robosub, a robotics organization
- + Board member of Role Playing Games Club
- + Coursework: Advanced Data Structures (CSE 100), Introduction to Theory of Computability (CSE 105), Basic Data Structures (CSE12), Math for Algorithms and Systems (CSE 21)