Patrick Paxson

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Student at UCSD interested in machine learning, robotics, music and biology. Passionate about computer science and experienced in a wide range of subjects, and eager to explore even more!

LANGUAGES

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

OPERATING SYSTEMS

- Mac OS
- Linux
- Microsoft Windows
- Android
- Chrome OS
- iOS

SOFTWARE SKILLS

- TensorFlow
- Git
- Amazon Web Services
- Testing
- CUDA
- REST API
- JSON
- CocoaPods
- jQuery
- Microsoft Azure
- Microsoft Dynamics 365

ADDITIONAL SKILLS

- Communication
- Teamwork
- Leadership
- Research
- Mathematics
- 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 SCIENCE-COMPUTER SCIENCE • University of California San Diego
La Jolla, CA ▪ September 2018-December 2021 (Expected)

+ **GPA: 3.84**, Provost Honors, Earl Warren College Honor Society
+ Pursuing minors in General Biology and Music
+ President of Role Playing Games Club
+ Founder and President of Triton Robosub, a robotics organization
+ Recipient of the TRELS research scholarship for Triton Robosub
+ Coursework: Advanced Data Structures (CSE 100), Design & Analysis of Algorithms (CSE 101), Introduction to Theory of Computability (CSE 105), Component & Design Technologies/Digital Systems (CSE 140/140L)