

# PASCAL JARDIN

Pascal R. Jardin | Poway, CA 92064 | 858-472-9511 |  
pjardin@me.com | pascaljardin.com | github.com/pjardin |  
www.linkedin.com/in/PascalJardin/

Full Stack engineer, second generation computer scientist with extensive experience in research and development.

## Education

---

Bachelor of Science in Computer Science with honors GPA 3.583  
California State University San Marcos  
Graduating May 2020

## Relevant Coursework

---

CS 575 MACHINE LEARNING SYSTEMS  
CS 481 INTRO MOBILE PROGRAMMING  
CS 485 GAME PROGRAMMING

## Professional Experience

---

**Teacher**  
**The\_Coder\_School**

*January 2020 - Present*  
*San Diego, CA*

Currently, I am giving back to the community as a "coder coach" teaching kids how to code Python, Java, HTML, JavaScript, and learn tools such as Blender and Unity. Each student I have to design a curriculum for and tend to each student's individual needs. One student, I am teaching python and another student I am tutoring data structures for their AP class. It's very awarding to see the progress in the students and the yearning for learning.

**Research And Development Engineer**  
**JardinLabs**

*August 2014 - January 2020*  
*Poway, CA*

Shielded was a research project to create a VR EEG headset for network security. Based on the now classified DARPA program, <https://www.fastcompany.com/3001501/darpas-cybernetic-binoculars->

tap-soldiers-brains-spot-threats that used the P300 brain signal. I wrote the Unity code in c# to display the content to the user. I also implemented the sockets between openBCI, which received the brain data, and raspberry pi, which then sent to an Amazon server to process the data.

Forget Me Not was a research project on creating a way for the users not to forget a memory. For example, one of the most challenging things that a child of an Alzheimer's patient has is if their parent forgets their name. By having a picture display, the child's picture with their name would reinforce that memory. I wrote the socket code that connected "the frame " to an amazon s3 bucket.

PopTagz, [apps.apple.com/us/app/poptagz/id1265471660?ls=1](https://apps.apple.com/us/app/poptagz/id1265471660?ls=1), is one of my favorite projects. PopTagz is an augmented reality graffiti app that allows you to tag in virtual space. I did the front end and some of the back end using web apps and swift. The selection of tags and drawings of letters used a webpage pulled into swift. Using swift, I was tasked with the augmented reality, getting the current user's GPS location, and getting and putting content to an AWS server.

Through JardinLabs, I was hired to create a Patent web scrapper, to scrap all patents and store it in a database. The database had to have a link to the original license, text, and keywords. With this information, the patent firm was able to search if there were any copyright infringements.

**Full Stack Engineer**  
**Graffiti Creator**

*November 2018 - January 2019*  
*Stockholm, Sweden (Remote)*

Worked for Mike Wigen, A professional graffiti artist and owner of MindGem Graphics and <http://graffitcreator.net> to create an iMessage Graffiti creator app <https://apps.apple.com/us/app/graffiti-creator-stickers/id1449321346?ls=1>. The first step was to make a webpage to draw the graffiti letters with HTML, CSS, JavaScript, and jQuery. The second step was integrating it into the iMessage app to pull a WebView to display the webpage. Viewing the webpage on the app was done using XCode and swift. Lastly was publishing the app onto the app store through <http://itunesconnect.apple.com>.

**Web Developer**  
**Kokua Botanicals**

*February 2017 - May 2018*  
*San Marcos, CA*

Hired to create a website using Wix to sell a nasal spray to help inflammation. <https://wajardin.wixsite.com/mysite>

**3D Printer Technician**  
**AccendoWave**

*March 2016 - August 2017*  
*Poway, CA*

Created a magnetic charging station for tables and EEG headbands for AccendoWave, a NON-PHARMACEUTICAL OPIOID ALTERNATIVE. A MakerBot 3d printer printed the parts, while Blender designed the pieces for the magnetic charging station. <https://www.accendowave.com>



---

|                         |          |                           |          |
|-------------------------|----------|---------------------------|----------|
| • Android               | -4 years | • Full-Stack Development  | -3 years |
| • iOS Application       | -3 years | • Application Development | -3 years |
| • iOS Development       | -3 years | • Front-End Development   | -5 years |
| • GitHub                | -5 years | • Back-End Development    | -5 years |
| • Git                   | -5 years |                           |          |
| • Programming Languages | -5 years | • Web Services            | -4 years |
| • OOP                   | -3 years | • AWS                     | -1 year  |
| • JavaScript            | -5 years | • Amazon Web Services     | -1 year  |
| • HTML                  | -5 years | • AWS Lambda              | -1 year  |
| • CSS                   | -5 years | • AWS DynamoDB            | -1 year  |
| • Python                | -7 years |                           |          |
| • pytorch               | -3 years | • Blender                 | -7 years |
| • Java                  | -5 years | • 3D Animation            | -4 years |
| • C++                   | -5 years | • 3D Graphics             | -5 years |
| • C                     | -5 years | • Unity                   | -2 years |
| • Objective-C           | -5 years | • NET                     | -3 years |
| • C#                    | -2 years | • React.js                | -4 years |
| • Swift                 | -3 years | • Node.js                 | -3 years |
| • PHP                   | -2 years |                           |          |
| • Ruby                  | -1 year  | • jQuery                  | -5 years |
|                         |          | • Angular                 | -3 years |
| • SQL                   | -5 years |                           |          |
| • MYSQL                 | -4 years | • Visual Studio           | -3 years |
| • Computer Vision       | -3 years | • Android Studio          | -4 years |
| • augmented reality     | -2 years | • XCode                   | -5 years |
| • virtual reality       | -1 year  | • Eclipse                 | -2 years |
| • OpenCV                | -3 years | • Postman                 | -2 years |
| • dlib                  | -3 years |                           |          |
|                         |          | • Unit Testing experience | -3 years |
| • bash                  | -4 years | • pyUnit                  | -3 years |
| • Linux                 | -5 years | • junit                   | -2 years |
| • command line          | -5 years | • swift                   | -2 years |
| • VIM                   | -3 years | • cunit                   | -1 year  |
| • Agile development     | -4 years | • c#                      | -1 year  |
| • APIs                  | -4 years |                           |          |