**Sammy Portillo** (925) 575-7070

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<https://sammyportillo.github.io/portfolio/>

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**EXPERIENCE:**

**Software Engineer:** Freelance Algorithmic Trading 02/20 – 05/20

Currently developing a stock trading application that creates a candlestick chart with live streaming data & triggers buy / sell alerts and/or places buy / sell orders using TD Ameritrade’s streaming api and an expert system based on Meir Barak’s trading methodologies. Developed using Python, splinter, selenium, tkinter, json, pandas, matplotlib, web sockets, MySQL database, data science, machine learning, Bayes' theorem.

**Software Engineer:** Freelance Desktop Tax Project 12/19 – 01/20

Developed a desktop GUI income tax expense calculator application.

Import bank statement activity file, total itemized expenses from pairing company name with a matched name with a given expense. (Visual Studio 2019, Python, tkinter, pandas)

**Software Engineer:** Freelance IOT Project 01/19 – 12/19

Cross platform OS & multi threaded socket server & client applications.

GPS Me – Android text based tracking app.

VIP Me – Android & Raspberry Pi IOT garage door application. (Java, web sockets, GPS.)

Server software runs on Windows, Unix, Raspberry Pi.

Client software runs on Windows, Android.

**Software Engineer:** BEAR, Hayward, caBEAR.com 06/13 – 06/19

Designed & developed a windows GUI payroll application.

Imports employee time clock file to process payroll accounting for sick / holiday pay. (Qt, C++ ).

Designed & developed a surface estimating windows GUI tree application, using MS Visual Studio.

Developed, maintained, & provided SEO for <http://caBEAR.com>

Technical support – Email, networking, backing up & restoring word press site.

**Sales Account Manager:**  BEAR, Hayward, caBEAR.com 08/01 – 12/12

Serviced fleet accounts for mechanical, fabrication, body repairs. Sold up to ~$1/2 million / year.

**Software Engineer:** BEAR, Hayward, caBEAR.com 01/05 – 12/08

Developed MS Access application to import historic & prospective customers for telemarketing for commercial truck repair. Tracked telemarketing performance.

Developed (now deprecated) site http://BayRVS.com

Designed & developed a Fleet Maintenance application for a commercial truck mechanical service center. Developed with Visual InterDev, Front Page, MS SQL Server, Active X Objects (ADO), SQL, ASP, Javascript, css & frames.

**Software Engineer:**Babcock & Brown, [www.babcockbrown.com](http://www.babcockbrown.com) 05/01 – 07/01

Full Stack: Developed an intranet based financial application (Capital Investment Manager).

Imported data & updated Active Server Pages for a Human resource application, MyHRIS.

(Visual InterDev, IIS, MS 2000 Server, NT, Enterprise Manager, Stored Procedures, SQL Server Profiler, SQL Server Backup & Restore, OLEDB, ADO, SQL, ASP, Javascript, VB Script, Active X Objects, FlexGrid, NT, SQL Server).

**Software Engineer:**Ziba Group (VISA), Foster City  07/00 - 09/00

Full Stack: Designed & developed prototype dispute process for VISA based on a set of criteria & updates. (Visual InterDev, MS Access, ADO, SQL, ASP, Javascript, VB Script, Active X Objects, frames, Flexgrid. Upload files from PC to a web server.)

**Software Engineer:**California Consulting 01/00 - 09/00

Full Stack: Designed, developed, debugged, maintained, & marketed (full life cycle) cross-product, multi language Online Data Driven Forms. Functions include Administration, Search, New, Save, Save As, Delete, First, Previous, Next, & Last. (Visual InterDev, ASP, Javascript.)

Full Stack: Designed, developed, debugged & maintained (full life cycle) Online data driven Interactive Training Quiz, Exam, & Ecommerce site based on set of criteria.

(Platform: Uploaded to NT Server, Windows 2000 Server, VB 6, ASP, MS Access, SQL Server Statements, ADO, Javascript, & cross browser capabilities.)

**EDUCATION:**

2020 CSUEB: MSCS, Master of Science in Computer Science GPA = 4.0

2015 Chabot College: AS, COMPUTER SCIENCE

2015 Chabot College: AS, MATHEMATICS

2000 Chabot College: AS, ELECTRONICS & COMPUTER TECHNOLOGY

1992 San Diego State University: BS, FINANCE

**FULL STACK TECHNICAL SKILLS grouped by Year:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Skills** | 1 | 2 | 3 | 4 | 5+ |
| **Programming Languages** | Shell, Pearl, Java Servlets, Java FX, Java Server Pages, JSP, Pytorch | Python,  Java Swing | PHP | C++, C | Java 6 – 16, Javascript, SQL |
| **Java Enterprise Edition** | EJB, MDB, JMS |  | JDBC |  |  |
| **Frameworks** | Unity, Pi4J, Spring | ASP.net | Qt |  |  |
| **Databases** | Oracle, Sybase, MongoDB | MariaDB |  | MS Access | MS SQL Server, MySQL |
| **Application and Web Servers** |  | Apache Tomcat,  Apache Web Server |  |  |  |
| **Web Technology** | JSP, Web Sockets | JSON | ASP, XML | Wordpress, DHTML | Web Services, HTML, CSS |
| **Development Tools/Utilities** | PyCharm, Junit, Jupyter Notebook | Eclipse, IntelliJ,  Visual Studio Code | Android Studio, Qt, Atom | Visual Studio |  |
| **Version Control** | Bitbucket | GIT, Github |  |  |  |
| **Issue Tracking Tools** |  | Google Search Console |  |  |  |
| **Other Tools** | WinMerge, MS Visio, High Charts, Crystal Reports, Autodesk 3ds Max | Tkinter |  | MS Project | MS Office,  Notepad++ |
| **Operating Systems** |  | Mac OS X | Raspbian |  | Unix, Linux, Windows |
| **E-commerce** | Cybercash, Authorize.net |  |  |  |  |
| **Internet Of Things (IOT)** | ESP32, M5Stack, MQTT, SparkFun, AWS, Electronics Work Bench,  High Charts, LoRa, Bluetooth, BLE, BLE UART, BLE Android | Raspberry Pi, embedded systems | Atom, Fluke 92B Scopemeter |  |  |
| **Data Science & Machine Learning** | Anaconda, scikit-learn, scipy, pandas, numpy, matplotlib, PyTorch, Tensorflow |  |  |  |  |