

Patrick Salmas

San Diego, CA | 310-728-5545 | psalmas@ucsd.edu | Github: PatrickSalmas

Education

UNIVERSITY OF CALIFORNIA, SAN DIEGO — 2015 - 2020

- BS Computer Science
- Related coursework:
 - Artificial Intelligence: Statistical Approaches
 - Online Database Analytics Applications
 - Principles of Computer Operating Systems
 - Components and Design for Digital Systems
 - Advanced Software Engineering
 - Into to Computer Security
 - Design and Analysis of Algorithms
 - Recommender Systems & Web Mining
 - Advanced Data Structures
 - Software Tools and Techniques
 - Statistical Methods
 - Business Project Management

Skills & Abilities

PROGRAMMING LANGUAGES

- | | | |
|---------|------------------|----------------|
| • C/C++ | • Java | • Python |
| • C# | • JavaScript | • PHP |
| • Swift | • Ruby and Rails | • ARM/Assembly |

MARKUP LANGUAGES

- | | | |
|-----------|------------|-------|
| • ASP.NET | • HTML/CSS | • XML |
|-----------|------------|-------|

SOFTWARE AND PROCESSES

- | | | |
|------------------------------|------------------|----------------|
| • Agile software development | • Android Studio | • Xcode |
| • TensorFlow | • Visual Studio | • UNIX / Linux |
| • OpenCV | • Eclipse | • Git |
| • Chart.js | • Firebase | • JUnit |
| | • Espresso | • .Net |
| | | • MySQL |

Projects

ANALYTICS WEBSITE: (CURRENT)

- REST web application that tracks user statistics and saves analytics information to a database
- Handled backend responsibilities, CRUD actions, and graphs for data analysis
- Written with HTML, PHP, and JavaScript

AI STOCK PREDICITONS (CURRENT)

- Web scrapes data from Google Trends, CNN Stocks, and various popular social media sources
- Uses linear regression techniques to make predictions about rising and falling stocks

FLASHBACK MUSIC PLAYER: ANDROID APPLICATION (2017)

- A music player that allows users to have “Flashbacks” based on previous, similar situations (location, date, time)
- Handled all backend tasks and developed all location/time features
- Created algorithm/functionality for detecting “Flashback” moments

Experience

SOFTWARE DEVELOPMENT INTERN | THREE WIRE SYSTEMS | 2018

- Worked with an Agile software development team to build a website for US Airforce Veterans
- Participated in daily stand-up meetings and lead several meetings as Scrum Master when needed
- Worked with ASP.NET to build an MVC operated website

PRESIDENT AND CAPTAIN | UCSD ICE HOCKEY | 2016 – CURRENT

- Coordinate with rink owners, league commissioners, and other universities
- Plan and schedule season games, practices, and events for the year
- Handle all team financial transactions and responsibilities