

# Joshua Yun

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## EXPERIENCE

### Phillips Brooks House Association

Intern

Harvard University

August 2018 – December 2018

- Implemented data entry functionalities with duplicate constraints using Apex/SOQL
- Generated SOQL queries and scrubbed over 30,000 entries to reduce storage usage by ~10%
- Revamping JavaScript applications to transition to Salesforce Lightning
- Propagated changes through sObject records and field with Metadata/SOAP/REST/BULK API

### Becker College

Worcester, MA

Tutor

January 2019 – May 2020

- Algorithms & Theory of Computing, Data Structures, Computer Programming I/II, Networking, Statistics, Discrete Mathematics, English Composition, English Literature

## EDUCATION

### Becker College

Worcester, MA

Bachelor of Science in Applied Computer Science, GPA: 3.958/4.00

Graduation Date: December 2021

**Coursework:** Algorithms & Theory of Computing, Data Structures, Systems & Architecture, Programming I/II, Networking I, Machine Learning, Software Engineering Life Cycles, Cloud & Mobile Computing, Artificial Intelligence, Information Security & Tech. Fundamentals, Programming Languages, Database Mgmt.

## PROJECTS

### Yourflix (Netflix Clone) – JavaScript, HTML, CSS, React, Express, Node.js, AWS EC2, MongoDB

- Standard features (autoplay, viewing history, user authentication, dummy payment, etc.)
- Able to upload your own media content with file size restriction based on subscription tier
- Hosted with AWS EC2

### Custom Stock Predictor – Python, PyQt5, Scikit-Learn

- Import a .csv file with historical stock quotes and enter  $n$  days for quote predictions
- Predictions are made with Scikit's Linear Regression/Support Vector Regression class
- Custom GUI designed with PyQt5

### 3D Shooter-Ramming Game – C#, Unity

- Collect coins while dodging/shooting/ramming patrolling enemies with a controllable car
- Utilizes Unity AI's NavMesh class for accurate pathfinding from enemies
- Implemented a finite-state machine (10 different states) for various enemy behaviors

## SKILLS

**Programming Languages:** C++, JavaScript, C#, Python, HTML, CSS, SQL, Apex

**Technologies:** Scikit-learn, Unity, PyQt, Node.js, SQL Server, Postgres, MongoDB, AWS EC2, React, Express, Flask, Git, Visual Studio Code, Vim

**Languages:** English, Korean