

Blake C. Gilmartin

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EDUCATION

California State Polytechnic University, Pomona
Bachelor of Science in Computer Science
Major GPA: 3.43; Relevant Coursework GPA: 3.80

Relevant Coursework: *September 2014 - June 2018*
Artificial Intelligence, Object Oriented Design & Programming, Parallel Processing, Operating Systems, Data Structures & Algorithms, Databases, Compilers

WORK EXPERIENCE

Northrop Grumman

June 2016 – May 2019

System and Software Quality (Full Hire and Intern)

- Developed an automated Product Review Log to assist with team work flow and metrics gathering. Estimated to save the company \$200,000 annually
- Responsible for automatically collecting and preparing data in a tool that looks ahead predicts defects in parts of a project based on past data
- Improve code quality by providing other developers with feedback based on company standards

Northrop Grumman

April 2019- Current

Software Engineer

- Created a Java Plugin for System Architecture Software that displays a Chromium Browser which contains a ReactJS web app that communicates to other tools using Socket.io
- Built a Photo Archival backend app that handles CRUD functions using MongoDB, Express, and NodeJS. Tested with Jest and documented with Swagger
- Created an interface to configure and run simulations that produce visual outputs with React, ChartJS, Cesium
- Increased testing and stability in projects by using a CI/CD pipeline with Gitlab
- Worked well with many teams of varying sizes utilizing Agile Development

PROJECTS

YouTube Chrome Extension

January 2018 – June 2018

- My innovative solution to find videos on YouTube that the user may be interested in by using their friends
- Created a REST application that sends data between the extension and database (Java Spring, Javascript, MySQL)
- Utilized HTML injection on YouTube homepage using YouTube API, JavaScript, HTML, and CSS

Smart Pass Mobile

February 2018 – February 2018

- Implemented a two-factor authentication system using the user's passcode and biometrics for mobile devices
- Responsible for the biometric data collection, testing the data, and optimization (Java, Android Studio)

A* Search Algorithm

September 2016 – December 2016

- Built an artificial intelligence search algorithm structure that was made to fit a wide variety of problems

SKILLS AND LANGUAGES

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|------------------------|----------------------|--------------------------|
| • Java (Top Language) | • JavaScript (Top) | • CSS (Proficient) |
| • ReactJS (Proficient) | • HTML (Proficient) | • MongoDB (Proficient) |
| • Python (Proficient) | • C++ (Intermediate) | • Tableau (Intermediate) |
| • VBA (Proficient) | • Java Spring | • API Experience |

EXPERIENCES

- Computer Science Society (CSS)
 - UCSD Extensions Courses
 - Information Technology Competition (ITC)
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