

# Keatum Powell

Student

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## Career Objective

Cybersecurity and Computer Science student with experience working closely with a development team to build products to a client's specifications. Looking to learn new skills and gain experience in a professional setting.

## Education

Completed coursework towards Transfer to 4-year University, American River College

Relevant Coursework: Object Oriented Programming in C++, Data Structure and Algorithm Analysis, Discrete Structures for Computer Science

Completed coursework towards Bachelor of Science (B.S) in Computer Science, California State University Sacramento.

Relevant Coursework: Database Management Systems, Data Structure and Algorithm Analysis, Computer Software Engineering, Computer Theory & Programming Languages, Computer Organization, Business and Computer Ethics, Applied Linear Algebra

Completed coursework towards Bachelor of Science (B.S) in Cybersecurity and Information Assurance, Western Governor's University

Relevant Coursework: Legal Issues in Information Security, Business of IT - Applications

## Skills

AGILE and SCRUM methodology

Software Development, Software Engineering, Software Design

Project Management, Project Development, Procurement, Project Consultant  
International Procurement Services Consultant

User Experience, User Design, User Stories, User Oriented Development

Flowchart Design, Data Flow Diagrams, Entity Relationship Diagrams, Wireframing,  
Storyboarding, Pseudocode Development

Data Analysis, Data Visualization, Data Processing, Data Classification

Automation, Automation of Data Analysis, Automation of Tasks

Neural Networks (NN), NN Creation, NN Utilization, NN Integration

Artificial Intelligence (AI), AI Integration, AI, Utilization, AI Creation

Algorithm Design, Algorithm Development

Programming Languages: SQL, Python, C/C++, Cuda C++, Java, JavaScript, TypeScript,  
HTML, Racket

Applications: Microsoft Suite, Microsoft Visual Studio, Git, Jira, NetBeans, Dev-C++,  
Eclipse, Jupyter Lab, Jupyter Notebook, Maven, Cursor, Talon, Notepad++

Application Development Frameworks: Angular, Codename One (CN1)

Machine Learning Libraries: TensorFlow, PyTorch, Keras

Database: MongoDB, MySQL

## Project and Teamwork Experience

Emulated the duties of a Scrum Master as part of a team that completed a project to create an API and UI prototype for a tool to allow users to search for an Oscar nominated movie using IMDB.

Worked as a Software Developer as part of a team that worked on an internal organizational tool for VSP Vision Care. The features developed for this tool included a GUI with User Focused Aesthetics, Sorting and Categorization Features, Navigation Tools, and the framework for easy expansion of functionality. This involved extensive documentation and collaboration in an enterprise environment accomplished using Jira and Github for DevOps, as well as other communication software e.g. Microsoft Teams, Zoom, Discord.

Utilized Python to perform Data Analysis and Transformations including Preprocessing, Regression, and creation of Classification models for sets of data using NumPy and Pandas; Matplotlib was used for Visualization.

Used C++ to create a prototype classification system for Zoo animals, including data for feedings, recreational time, age, and other identifying and useful information.

Used Python to create a Mail Server operating over

Used Java and Cuda C++ to create an interactive 2D video game that allowed the user to pilot a small helicopter and put spontaneously appearing fires.

Used Java and Cuda C++ to create an interactive 2D videogame that allowed the user to control an Ant within a limited game world, with the goal being to collect enough randomly spawning food to win while dodging spiders, which act as an enemy.

Developed a project proposal and used SQL to create a database for the video game 'Elden Ring' that stored all weapon information and allowed a user to query the database for comparisons between weapons, and to receive lists of weapons according to the different queried attributes.

Used SQL to manipulate data by creating Views, Materialized Views, Triggers,

Installation and Configuration of Talon Voice control software, and development of extended functionalities for Talon. Extended functionalities include the creation of entirely new functions as well as expanding the functionality of existing functions. Integration of AI was included by developing commands to access and interface with ChatGPT allowing users to access specific models or "GPT's".

Consulted developers on software design, recommending different sorting and searching algorithms with lower time complexities to improve indexing and application performance.

Consulted international client based out of Sweden on procurement of a new personal system that needed to meet specific requirements within a set budget to satisfy enterprise restrictions.

## Certifications

ITIL: IT Service Management

NSLS: Foundations of Leadership

CompTIA: A+

CompTIA: Network+