

## TECHNICAL SKILLS

<b>Programming Languages:</b>	C++, C, Java, JavaScript, Python, BASH, GML
<b>Web Development:</b>	HTML, CSS, AJAX, JSON, Node.JS (Express, Handlebars), JQuery, React
<b>Database Management:</b>	SQL Oracle 12c, MongoDB, PostgreSQL, FireStore
<b>Tools:</b>	VS Code, IntelliJ, IBM iSeries Access, Axure, Putty, StarUML, GitBash, Docker
<b>Source Control:</b>	GitHub, Git

## PROJECTS

### Unfamiliarity

#### *3D FPS Role-Playing Game*

- Implemented 3D physics engine using spherical and precise collision detection and response
- Created a modular keyboard-mapping scheme
- Designed and arranged game levels
- Implemented AI framework - basic and advanced behavior
- Designed and created various player animations
- Designed and implemented database of files and in-game items

### Hermit (in progress)

#### *Food Delivery App*

- Designed and implemented website for the Cheesecake Factory
- Designed express backend to communicate with firebase database
- Implemented front-end functionality using React framework
- Implemented various CSS theming techniques to bring website to life

### Dead Linkage

#### *CLI dead-links checker*

- web-crawler CLI application that checks webpages for dead Links
- Utilized Selenium framework to demonstrate an unusual approach to web-crawl
- Developed using Java and packaged using Maven

## RELATED WORK EXPERIENCE

### **Teaching Assistant, Seneca College**

2019 - 2020

- Assisted five professors in teaching and providing helpful solutions to computer programming students in a class size of 30 plus
- Provided extended hours for students in need of extra help

### **Developer, Kolev Engineering Inc.**

2016 - 2018

- Kept in contact with the employer to obtain more information and discuss design options
- Oversaw scheduling of project milestones and coordinated with the employer on any proposed changes or challenges to be overcome
- Updated static content of products on company website

## PLAMEN VELKOV

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### ADDITIONAL INVOLVEMENT

- Game Design** 2016 - present
- Design and program games on free time as personal passion
  - Create Artificial Intelligence (AI) and effective script design for in-game players (NPCs)
- Game Design Club** 2016 - 2018
- Met weekly to discuss ideas and engage in problem solving algorithms and other related coding issues
  - Prepared for annual competitions as part of a three-person team, took the role of AI design and implementation
- Game Design Competitions (AI)** 2016 - 2017
- Won two 1st (two consecutive years), one 3rd place in competitions among Ontario universities, participated in the role of Artificial Intelligence (AI) designer
  - Won multiple internal university mock game design competitions
  - Participated in Ludum Dare 38 online game competition
- Peer Tutor (volunteer)** 2019 - present
- Helped first-year students understand challenging concepts in first year computer science courses
  - Met weekly to discuss ideas and engage in problem solving algorithms and other related coding issues
- Wrestling Assistant Coach, William Lyon Mackenzie C.I.** 2017 - present
- Mentor high school students about affective wrestling techniques in order to effectively practice proper form of various moves

### ADDITIONAL WORK EXPERIENCE

- Area Supervisor, Complete Merchandising Solutions** 2016 - 2019
- Managed teams of up to five employees in various Home Depot locations
  - Provided exceptional group working/learning skills with teams at each store, preparing employees with training and knowledge about live goods and proper display of products
  - Handled all team hours providing weekly schedules for employees
  - Kept inventory of products and created weekly reports of sale fluctuation

### EDUCATION

- Computer Programming and Analysis, Seneca College** 2019 - present
- Current Cumulative Program GPA 3.9 (President's List)
- Awards**
- Laura Flanagan Memorial Award Finalist, *Seneca College* 2020/2021
- Computer Programming and Analysis Scholarship, *Seneca College* 2019

### SPORTS

- Wrestling** 2008 – present
- Teams:* Team Impact, William Lyon Mackenzie C.I. team
- Soccer:**
- Men's League