

# PUSHKIN FELEKE

B.S. Computer Science

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GitHub: [github.com/pfdinc](https://github.com/pfdinc)

Education	Objective
<b>Central Washington University</b> <b>B.S. Computer Science</b> (September 2014 – March 2018)	An employment opportunity for a position related to my fields of specialization, which will serve not only as a career growth but also as a challenge to my profession.
Summary of Skills	
<b>Languages</b> <ul style="list-style-type: none"><li>▪ C, C++, C#, .NET, Java, Python, Node.js,</li><li>▪ HTML, CSS, JavaScript and PHP</li></ul> <b>Database Systems</b> <ul style="list-style-type: none"><li>▪ MySQL, MariaDB, SQLite, SPARK</li></ul> <b>Other</b> <ul style="list-style-type: none"><li>▪ AWS (EC2, S3, RDS), SOCKET.IO, Apache Spark and Scala</li></ul> <b>Foreign Language</b> <ul style="list-style-type: none"><li>▪ Fluent in Amharic (Ethiopian)</li></ul>	<b>Related Concepts</b> <ul style="list-style-type: none"><li>▪ Computer Architecture</li><li>▪ Data Structure</li><li>▪ File Structure and Database System</li><li>▪ Foundation of Software Engineering</li><li>▪ Logic Circuits</li><li>▪ Mobile Software Engineering (Android)</li><li>▪ Object Oriented Programming</li><li>▪ UI Design</li><li>▪ Web Programming</li></ul>
Personal Project	Group Project
<b>Project Title</b> <i>Linear / Quadratic Discriminant Analysis</i>	<b>Project Title</b> <i>GameDay- (Group Project)</i>
<b>Tools Used</b> <ul style="list-style-type: none"><li>▪ C#, WinForms, Markdown, Visual Studios 2012</li></ul>	<b>Tools Used</b> <ul style="list-style-type: none"><li>▪ HTML, CSS, JavaScript, jQuery, Node.js and MongoDB</li></ul>
<b>GitHub Location</b> <a href="https://github.com/pfdinc/discriminant-_analysis_C_sharp">https://github.com/pfdinc/discriminant-_analysis_C_sharp</a>	<b>GitHub Location</b> <a href="http://connect5.online">http://connect5.online</a>
<b>Project Description</b> <ul style="list-style-type: none"><li>▪ Linear / Quadratic Discriminant Analysis is a method used in statistic, pattern recognition and machine learning.</li><li>▪ An algorithm dedicated to dimensionality reduction and also separation of two more classes.</li><li>▪ This program evaluates the accuracy from human vs machine when discriminating two or more classes.</li></ul>	<b>Project Location</b> <a href="https://github.com/pfdinc/discriminant-_analysis_C_sharp">https://github.com/pfdinc/discriminant-_analysis_C_sharp</a>
<b>Technical Description</b> <ul style="list-style-type: none"><li>▪ Designed to perform with Windows 7+ 32/64 bit</li><li>▪ C# WinForms for visual and created a custom web browser with the application.</li><li>▪ Created a file system that inputs data from a .csv file into the application graph and outputs separate .csv file for the results.</li><li>▪ Allowed interaction with graph using various C# library.</li></ul>	<b>Project Description</b> <ul style="list-style-type: none"><li>▪ Inspired by the popular game “Five Straight” played on a 10x10 game board.</li><li>▪ Two player game that is connected with a unique key that allows players to interact remotely.</li></ul> <b>Technical Description</b> <ul style="list-style-type: none"><li>▪ Used Bootstrap framework for front-end design and JavaScript to create an interactive game board.</li><li>▪ MongoDB was used for the database.</li><li>▪ SOCKET.IO was applied to create a real-time connection for player one and player two.</li><li>▪ Deployed game using AWS(EC2)</li><li>▪ Participated in the design and implementation as part of a team</li></ul>

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## Recent Work Experience

### Job Title

*Teaching Assistance for Data Structure &  
Java/C++ Programming Concepts*

### Employer

*Central Washington University – Ellensburg, WA  
(01/2017 – 06/2017)*

### Job Description

- Reinforced lessons presented by teachers and reviewed materials with students one-on-one or in a class room setting.
- Laboratory management and recordkeeping, such as tracking attendance and calculating grades.
- Help teachers prepare for lessons by getting materials ready or setting up equipment, such as computers.

### Job Title

*Computer Science & Mathematics Tutor*

### Employer

*Central Washington University – Ellensburg, WA  
(09/2016 – 06/2017)*

### Job Description

- Monitor student performance or assist students in academic environments, such as classrooms, laboratories, or computing centers.
- Travel to students' homes, libraries, or schools to conduct tutoring sessions.
- Participate in training and development sessions to improve tutoring practices or learn new tutoring techniques.
- Review class material with students by discussing text, working solutions to problems, or reviewing worksheets or other assignments.

### Job Title

*Software Development Engineer*

### Employer

*SuitWiz – Seattle, WA  
02/2012 – 06/2016*

### Project Description

- Created and maintained an application which allowed customer to create custom clothing.

### Job Description

- Developed a web application using ASP.NET, C#, HTML/HTML 5, CSS2/3, JavaScript/jQuery, SQL Server, and LINQ to SQL.
- Developed set of API to be used by the User interface and Desktop App, that are to be used for a drawing system and customer registration system.
- Created new Database tables and stored procedures.
- Updated and maintain existing Database's tables and stored procedures.
- Updated existing web pages.
- Performed development activities with minimal direction.
- Work with product management team to understand and satisfy customer requirements.
- Work closely with QA to troubleshoot problems, triage bugs, analyze root causes and resolve them.
- Wrote a unit test based on functional specifications.
- Wrote documentation and design of code to ensure readability and maintainability.

### Job Title Volunteer

*Software Development Engineer  
Project Manager*

### Employer

*cellForHelp / Red Cross – Seattle, WA  
01/2010 – 08/2012*

### Project Description

- Presented a unique method of gathering donations to the Red Cross. This unique method implies that rather than people donating money, they would donate cellphones which later transferred to money.
- Created a web application to helped Red Cross gather funds from donors to help those effected by 2010 Haiti earthquake.

### Job Description

- Developed a web application using C#, HTML, CSS, JavaScript
- Developed an email service using Java Mail API which automatically notified Red Cross of donations.
- Create new Database tables with MySQL.
- Worked closely with Red Cross team to apply charity policy to the web program.
- Conducted Black Box & White Box testing
- Write a unit test based on functional specifications.

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## Extracurricular Involvement/Skills

### **Black Student Union**

*Central Washington University – Ellensburg, WA*

*September 2014 – March 2018*

#### **Duties**

- Assist new students from different cultural backgrounds
- Create weekly meetings for students to discuss current local issues
- Provide information to students regarding current school topics and scholarship opportunities

### **ECMA Recreational Leader**

*Ethiopian Community Mutual Association, Seattle, WA*

*February 2003 – Current*

#### **Duties**

- Proactive in activities involving mentorship and guidance for the youth
- Fluently speak Amharic (Ethiopian language)
- Provide translation services for new immigrants