

# RED TEAM

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## Restaurant Service

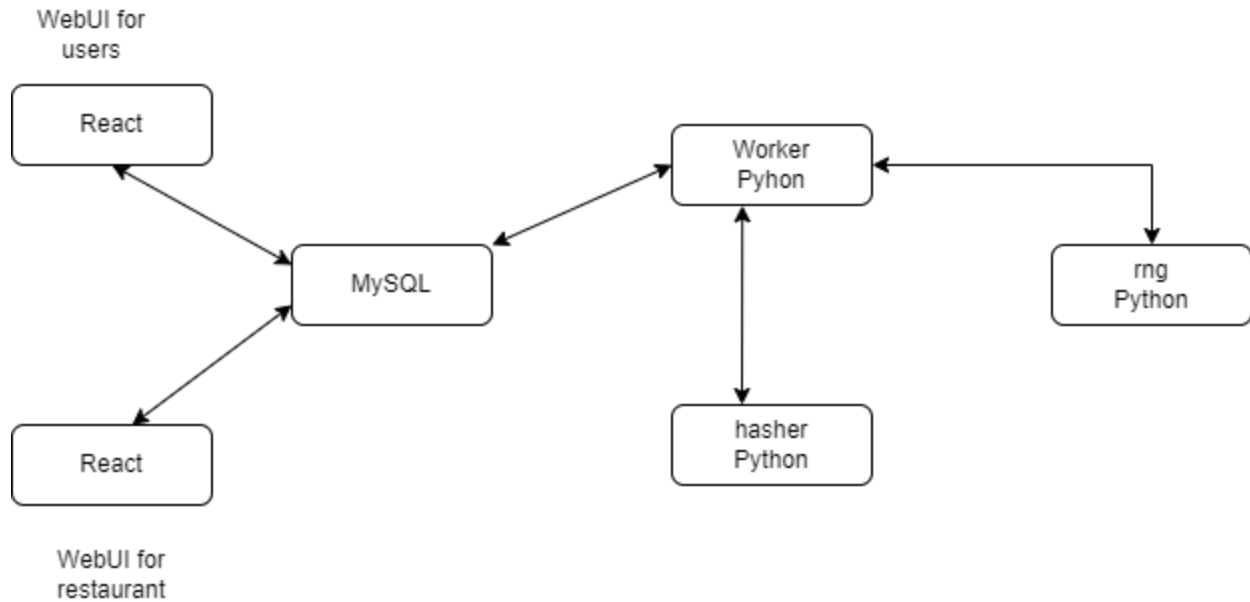
Team Members: Girik Bangha, Farah Bokhari, Eric Gaspar-Acuna, Troy Sivick,  
Khup Tuang

**Repository:** <https://github.com/TS935609/CSC-468-Group>

## Chapter 1

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The Red Group intends to build a Restaurant application that provides cloud based service for reservation, payment, and a real time view for available tables. This service intends to make the customers' experience more feasible and stress free, especially during the pandemic. The workers will have access to a much more clearer and concise database at their hands through a different web ui compared to the users' interface. The users' web interface is able to provide information such as a view of all available and taken tables (staff also has access to this information), menus and real time events/updates to the restaurant, view of last orders taken, and full payment through the app. The staff will be different in design since it will provide information not available for users to view such as the database and privacy information (payments and names). Through this database, the restaurant owners can understand better trends in service by acknowledging who and what time people come the most, allowing them to staff the workplace better. A lot more money would be saved through this application and workers would see the same benefit as well. People will also have a comfortable environment to dine in due to the online service and will provide as a result less waiting time. This would also allow a less ad hoc environment for people that are walking into the restaurant. Overall, the restaurant application will help benefit both workers and customers alike and make both the dining experience and work experience far easier and simpler.



## Chapter 2

We will utilize React for webui on both ends due to its popularity among users and saves a lot of data due to its real time updates which will be provided through CI/CD. Through the updates we can inform customers of available or non-available tables at their request, the menu, and what is possible to order through what is in stock. For the database we will use mysql due to the easy to understand syntax and our own preference to it. The database will store all the data of the restaurant such as tables, what's in stock, payment information (private), and the tables that are currently being served. Worker will use python to issue the calls it needs to both hasher and api. Hasher will take python instead of ruby just like api. The worker will be more of a backend asset since this will calculate the overall price of the user's visit to the restaurant. The api will update prices and menus through CI/CD. Hasher will mainly be utilized for the check and payment methods, the user also has the option to pay either through print or their own phones/devices.

## Resume

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**Girik Bangha**  
**2 Unity Way | Phoenixville, PA 19460**  
**GB908614@wcupa.edu | 610.570.4077 |**

### EDUCATION

**West Chester University of Pennsylvania,**

**West Chester, PA**

**Bachelor of Science in Computer Science**

**Certification in Cyber Security**

**May 2022**

#### **Relevant Projects:**

- ***User Registration System- Java***

**This project is broken up into 2 pieces. GUI Frontend which allows users to view/edit/create tables of students, faculty, and courses and Derby database which is the database system behind the Frontend - Derby/JDBC**

- ***Inversion Counter- Java***

**This project was created to test the number of inversions it takes of a constant data set to be in sorted form using different sorting algorithms. The project took it a step further to see the difference in the inversions if you write the algorithms iteratively or recursively. Implemented Bubble Sort, Quick Sort, and Merge Sort algorithms within this application**

### Activities

- **Computer Science Club, West Chester University of Pennsylvania**
  - **Member**
- **Cyber Security Club, West Chester University of Pennsylvania**
  - **Member**

## **WORK EXPERIENCE**

### **SEI Investments**

*Corporate IT Intern- June 2021-August 2021*

- Collaborate with leaders to define and build new creative solutions for IT Asset tracking
- Transition business requirements into workflows and project backlogs required to define the scope of IT Asset Management project
- Collaborate with departments to identify, document, and communicate business needs and provide recommendations.
- Build out reports and automation using SQL & MS Excel to support IT Asset tracking activities.
- Review SCCM data discrepancies and recommend solutions
- Partner with the IT Hardware team and Client Services teams to identify process improvements in inventory tracking.

### **Mehra Bros – Handicrafts Wholesaler**

*Inventory Analyst – May 2014 till present*

- Created Inventory tracking system using MS Excel
- Compile raw data and create reports on inventory projections
- Keep Management informed of incoming and outgoing products and adjust any shortcomings.

### **Dicks Sporting Goods**

*Retail Associate- July 2019- March 2020*

- Operated cash registers, greeted customers, assisted people to find their desired merchandise
- Trained fellow employees in different aspects of retail POS which emphasized leadership skills

## **SKILLS & LANGUAGES**

- Microsoft Applications: Excel, PowerPoint, Word
- Technology: Fluent in Java; Proficient in SQL
- Languages: English, Hindi

# **KHUP TAITHUL**

Folcroft, PA 19032 | (484) 848-6928 | aatuang@gmail.com

## **Education**

West Chester University of Pennsylvania, West Chester PA  
Bachelor of Science in Computer Science, December 2022  
GPA: 3.67

## **Professional Summary**

Organized and dependable candidate successful at managing multiple priorities with a positive attitude. Willingness to take on added responsibilities to meet team goals. To seek and maintain a full-time position that offers professional challenges utilizing interpersonal skills, excellent time management, and problem-solving skills.

## **Skills**

- Proficient in Java, Python, JavaScript, and Bash Scripting
- Technical acumen
- Software improvements
- Teamwork and Collaboration
- Dependable and Responsible
- Self-Motivated

## **Work History**

### **Youth President**

PMCC

Jan 2021 - Current  
Chester, Pennsylvania

- Serves on various council committees under pastor's supervision.
- Reports council plans and results to youth members.
- Manages youth department with 8 youth leaders, and 25 volunteers.

### **Sound, Media, and Music Director**

PMCC

Jan 2014 - Current  
Chester, Pennsylvania

- Planned, built, implemented, and managed complex sound systems and media equipment.
- Negotiates rates with sound systems and media sales companies to obtain the most competitive prices.
- Directs and trains 8 volunteers

## **Languages**

**Burmese:** Native

**Zomi:** Native

**English:** Full Professional

**Malay:** Limited Working

## FARAH BOKHARI

Phone: 267-466-8916  
FB931302@wcupa.edu

Philadelphia, PA  
<https://www.linkedin.com/in/farah-bokhari/>

### EDUCATION

<b>West Chester University</b> <i>Bachelor of Science in Computer Science</i> Cumulative GPA: 3.40	<b>West Chester, PA</b> May 2023
<b>NSA Cyber Security Certificate</b>	May 2023

### RELEVANT COURSEWORK

Discrete Mathematics	Computer Systems
Data Structures & Algorithms	Calculus I, II
Computer Security & Ethics	Data Communications & Networking
Cloud Computing	Programming Language Concepts/Paradigms
Software Engineering	

### SKILLS

**Programming Languages:** Java, Haskell, C, Python  
**Methodologies:** Agile, Scrum  
**Tools:** Linux Terminal, Git/GitHub, Microsoft Excel, Microsoft Word, Microsoft Powerpoint  
**Languages:** Bangla, English, Spanish

### EXPERIENCE

<b>Wedgewood Pharmacy</b> <i>IT Support Technician</i> • Provided professional and courteous end-user assistance for all computing devices and applications • Troubleshooted and replaced hardware, hard drives, memory, and other networking peripherals • Loaded specified software packages such as operating systems or spreadsheet programs into computers	Swedesboro, NJ November 2021– January 2022
<b>West Chester University of Pennsylvania</b> <i>IT Help Desk Intern</i> • Served as the first point of contact for faculty & staff technical issues • Troubleshooted and facilitated solutions for hardware and software issues of PCs and MACs • Performed remote troubleshooting through diagnostic techniques and pertinent questions	West Chester, PA August 2021– December 2021
<b>Masjid Al-Madina</b> <i>Teaching Assistant</i> • Tutored students in certain concepts of algebra and pre-calculus • Improve students' understanding of abstract concepts by giving demonstrations • Grade exams, labs, and homework assignments for the students • Held office hours for students who require further assistance	Upper Darby, PA September 2015–January 2018

### TECHNICAL PROJECTS

<b>Sudoku Puzzle</b> <i>Software Developer</i> • Designed a program that takes in a two-dimensional array of 9x9 integers from 1 to 9 using Java • Implemented methods that verifies whether the input solves a particular Sudoku puzzle • Maintained version control through GitHub • Used Trello board to keep track of progress	February 2021 – March 2021
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### AWARDS

Golden Ram Scholarship, 2019- Present	Society of Muslim Engineers, 2019–Present
Future City Engineering Competition 2015	

# TROY STEFEN R. SIVICK

105 Skyline Drive - 484-889-6503

[troy.stefen@gmail.com](mailto:troy.stefen@gmail.com)

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## EXPERIENCE

JUNE 2020 – JANUARY 2022

**CLOSING EXPERT, TARGET**

At Target, I co-manage the closing of the store ensuring items are properly re-shopped and lined to planogram standard. I manage 2-3 departments a night regarding inventory replenishment, assisting with guest needs, as well as organizing backstock in the warehouse. Teamwork is valued, but my ability to work independently is also important in the closing team responsible for.

## EDUCATION

JUNE 2019

**HIGH SCHOOL DIPLOMA, KENNETT HIGH SCHOOL**

My four years at Kennett High School were spent working on projects with many other students and completing tasks with demanding deadlines. I also fulfilled several volunteer hours with events and charities. Upon graduation, I achieved Distinguished Honors with a 3.5 GPA.

IN PROGRESS

**BACHELOR OF SCIENCE DEGREE IN COMPUTER SCIENCE, WEST CHESTER UNIVERSITY**

I am currently in my Junior year. My GPA is 3.684 and I have made the Dean's List consistent since Freshman year.

## SKILLS

- Proficient in Java and C programming
- Worked with Net Beans, Windows PowerShell, Visual Studio, and iGRASP
- Proficient knowledge of Data Structures and Algorithms
- Proficient in Microsoft Office applications
- Highly adaptable to changing situations environments
- Detail oriented
- Fast Learner, effective teacher
- Great communicator
- Team player

## REFERENCES

Furnished upon request



## **Eric Gaspar-Acuna**

484 Pemberton Rd. • Kennett Square, PA 19348

Ericgaspar87@gmail.com • 610-355-5465

### **EDUCATION**

West Chester University of Pennsylvania, West Chester, PA

Bachelor of Science, Computer Science, May 2023

- Cumulative GPA: 3.87

Delaware County Community College

Associate of Science, Computer Science, May 2021

- Cumulative GPA: 3.8

### **SKILLS**

Programming Languages: (Proficient) Java, Python ; (Familiar): C

Frameworks and tools: (Intermediate) Microsoft Word, Microsoft Excel (Familiar); GitHub, Linux

Other: Great Communicator, Eager to Learn, Teamwork and Cooperation

GitHub: <https://github.com/Eric1053>

### **Technical Projects**

Flight airline schedule – 2020

*Final - Data Structures and Algorithms*

- Designed a program that took airline schedules and made it more readable using Java
- Managed many different scenarios such as, flight cancellations, change schedules, delays, etc.
- Used multiple different Data structures

### **Job Experience**

Applebee's, Kennett Square, PA

Line Cook, June/2018 – Now

- Neighborhood Expert- Became an integral part of the team because of certification.
- Required to train many different types of people to become part of the team.
- Did documentation for new trainees.

Goose Creek, West Chester, PA

Host/Busser/Cashier, May/2015 – April/2018

- Good communications skills between customers and the rest of staff.
- Coordinated and strategized seating customers to keep a solid flow of customers.

### Additional Experience

Volunteered for Town Festival - Team Leader, March 2018

- Coordinated with the supervisor and led others to do jobs to keep the festival running.
- In charge of others to make sure the tasks were being completed.
- Reported and suggested possible solutions for said problems.

