FATHY ABDELSHAHID

SCAN ME

SUMMARY

Motivated and responsible software engineering student pursuing Double Degree Bachelor of Engineering and Computer science at Monash University. Adept in software application development and computer science principles, with a proven ability to handle complex projects, Quick Problem solving. Demonstrates excellent time management, interpersonal skills, and the capability to swiftly grasp product details and foster customer relationships. Committed to timely project delivery and continuous improvement. A reliable and collaborative team player focused on equitable task distribution and driven to achieve common goals.

CONTACT

📞 0466079973

✉️ Pres: fathyabd352@gmail.com
Work: dev.fathy@gmail.com

📍 Caroline Springs, Vic 3023

Go To My Website

CODING EXPERIENCE

Computer systems, Analysis of networks and their security

FIT1047

Introduction to computer systems, networks and security

- Applying number representations and Boolean algebra to analyse logic circuits.
- Describe basic concepts of computer hardware and software architectures.
- Program simple algorithms in assembly code
- Explain the three major functions of an operating system (OS), namely, process management, memory management, and file management.
- Analysed networks using the underlying fundamental theories, models, and protocols for data transmission.
- Described the functions and architectures of local area networks, wide area networks and the Internet.
- Discussed the fundamental concepts of cybersecurity, including common threats and countermeasures.

LANGUAGES

English:

Native/ Bilingual

Arabic:

Native/ Bilingual

Italian:

Limited

EDUCATION AND TRAINING

Bachelor of Engineering (Hons) & Bachelor of Computer Science.

Software Engineering
Monash University,
Melbourne, VIC

- Multiple Projects available through my website scan the QR code for it

Expected in Dec 2025

Web Application Design

ENG1003

Transport Hiring Web App – Team of: 4

- Using <u>JavaScript and Html/CSS</u> created an app to book a commute service either by sedan motorcycle or a van, price would vary based on the choice and the kilometers between the two chosen destination (has the GPS option of using user's location)
- Translated user-stories into <u>user flows, wireframes,</u> and <u>prototypes</u> to promote positive intuitive designs, site interactions and user experiences.
- Created and used <u>API keys</u> to access GeoMaps to locate user based on his IP using his internet provider and panning and tracking.
- Used <u>API keys and local storage</u> to save user inputs and trip history on the device and web server.
- <u>Object oriented programming</u> where instances, inheritance (father and parent classes) were developed to store and obtain information as well as re-use instances variable.
- Use of <u>ADT, Stack, and queue</u> to implement the order the characters Attack/ defend in based on the game mode chosen.

Task List for Scrum Managed Teams Web Application: - Team of: 6

- Worked under <u>Scrum methodology management.</u>
- Used <u>GitHub</u> to collaborate with team members.
- Communicated with a <u>client</u> to collect user-stories through every sprint.
- Exchanged roles between <u>Scrum Master</u> & <u>UI/UX specialist</u> & <u>product owner</u>.
- Received <u>feedback</u> from the <u>client</u> about the product and reflected upon it in the new sprint.
- Used <u>API keys and local storage</u> to save user inputs
- Collected data and displayed story points in a graph to help represent productivity on a sprint clearly.
- Developed <u>Instances</u> for staff, tasks, sprints, and Time taken to complete Tasks.

High School Diploma

Essendon Keilor College, Essendon, VIC

- Senior school captain in 2020
- 4/4 GPA
- Captain of the school soccer team in years 2017/18/19
- Took part in the y-program, which entailed volunteering to help at a local primary school and helping people with a disability.
- Multiple Academic awards
  (Available upon request)
- December 2020

November 2020

SKILLS

- Data Generation Tools
- Complex Problem Solving
- Experienced With VsCode, PyCharm
- Website Analytics Tools
- Back-End and Database Skills
- Front-End Programming: HTML5, CSS3, AJAX

Scripting Languages: PHP,

- Version Control Systems: Git, GitHub
- User Experience Design
- Analytical Thinking

Virtual Waiting Room: - Team of: 1

- Created a virtual waiting room where users wait to be let in using JS HTML and MDL libraries.
- Implemented using an ADT (queue),
- Used API keys and local storage to save user inputs like name issue and email, saved multiple instances.
- Multiple users can join the queue once it's their turn a randomised code is send (representing the zoom link) is displayed for them kicking them out of the queue. (Available upon request)

Game Development

FIT1008/FIT1045

Strategic Game Development – Team of: 1

- Used Self programmed AI library and Python programming language to develop game prototypes based on ideas from the infamous Pokémon battle game mode design.
- Big O Calculation to ensure my algorithms and Functions did not grow larger than O(n**2)
- AI was implemented when choosing the battle mode to fight the "PC", AI picked random Pokémon's to assign to its team based on the Pokémon's rareness.

ECE2071

Algorithms to find Palindromes: - Team of: 1

- C language programming
- Used an ADT linked list to look through the 50 million decimal number given.
- highlighted every palindrome related it to its lengths to set up a synchronised display and where the sum of the palindromes based on their lengths.

- Front-End Skills: HTML, CSS
- Complex Problem Solving ·
- JavaScript Libraries and Frameworks
- Oral and Written Communications
- Multitasking and Time **Pattern Matching and Searching Algorithms**
- Schedule Management
- Very approachable and social
- Public speaking
- First aid Trained
- Working with children check
   (Available upon request)

HOBBIES

- Enjoys playing Soccer
- Making iOS mobile applications in my spare time
- Social Runs
- Harry Potter and Marvel Fan
- Gaming

Data Analysis and Representation

- Python, JavaScript

MAT1060

Data Analysis and Representation: - Team of: 1

- Using MATLAB open and read large complex data files.
- Presented data in visually appealing and simple methods for end users to navigate and comprehend.
- Generated standard or custom reports summarizing gathered data.
- Analyzed and tracked data to prepare forecasts and identify trends.
- Used statistical analyses to find patterns from data and identify improvement in the collected data.
- Implemented deep learning practices in MIPS.

Machine Learning Language

FIT1008

- Maintained library of model documents, templates, or other reusable knowledge assets.
- Manipulated data types from hex to decimal to binary
- Cleaned and manipulated raw data.
- Established scalable automated processes to develop, validate and implement machine learning models.
- Developed visualizations such as graphs to convey complicated data in straightforward fashion.

WORK EXPERIENCE

Tutor

Monash University, Clayton | July 2024 – July 2024

- Aiding in coding lessons and workshops to teach programming languages and software development concepts.
- Providing one-on-one mentoring and support to students, helping them troubleshoot and debug their code.
- Hosting Q&A sessions to address student questions and provide additional guidance.
- Collaborating with fellow instructors to continuously improve the curriculum and teaching methods based on student feedback and industry trends.
- Creating and maintaining online resources, such as tutorials and code repositories, for students to access and learn from.
- Organizing and supervising coding challenges and hackathons to encourage practical application of skills.

VOLUNTEER

School: Y-Program, helping people with a disability learned sign language and helping in the community assisting local schools in classes i.e., tutoring. St. George Coptic Orthodox Church, St Albans: Currently a servant for grade 4s/7s: giving bible stories and helping organise outings/sports activities Help organize fates and social events for church as well as maintaining the church.

Receptionist
101Physio clinic, Melton/Hoppers Crossings | June 2022 - Current

- Supervised setup of conference rooms for meetings and office events in common areas.
- Maintained client accounts by obtaining, recording, and updating personal and financial information.
- Transmitted information or documents to customers through email, mailings, or facsimile machine.
- Scheduled space or equipment for special programs, meetings, and conferences.
- Answered multi-line telephone with polite tone of voice to provide general information and answer inquiries.
- Maintained daily calendars, set appointments with clients, and planned daily office events.
- Operated telephone switchboard to answer, screen and forward calls to appropriate personnel.
- Scheduled appointments and maintained and updated appointment calendars.
- Greeted visitors entering establishment to determine nature and purpose of visit.
- Supplied callers with office address and directions, employee email addresses and phone extensions.
- Updated and recorded customer or client information to maintain accounts.
- Sorted incoming mail and directed to correct personnel each day.
- Investigated and analyzed client complaints to identify and resolve issues.
- Composed and prepared routine correspondence, letters, and reports with job-related software.
- Collated, bound, and stored computer-generated reports.
- Delivered administrative support to team members by making copies, sending faxes, organizing documents, and rearranging schedules.

Head Coach
Avondale FC | Essendon | January 2022 – January 2023

- Observed health and safety guidelines and protocols during practice sessions and game to help players avoid injuries.
- Guided team through difficult situations, player injuries and tough losses.
- Encouraged athletes, fellow coaches and parents to engage in good sportsmanship with competitors.
- Ran drills and fitness circuits to improve athletes' coordination and skills.
- Assessed player abilities and assigned positions according to individual strengths.

Sales Associate
Footlocker | KEILOR DOWNS, VIC | October 2018 - Current

- Used technology resources to assist customers in locating and selecting items.
- Worked with fellow sales team members to achieve group targets.
- Obtained signatures for financial documents and internal and external invoices.
- Increased purchase amounts by cross-selling with similar products.
- Assisted teammates with sales-processing tasks to meet daily sales goals.
- Developed trusting relationships with customers by making personal connections.
- Tracked company inventories, moved excess stock, and arranged products to improve sales.
- Assessed customer needs to provide aid and information on product features.
- Helped customers find specific products, answered questions, and offered product advice.
- Answered product questions with up-to-date knowledge of sales and promotions.
- Sold various products by explaining unique features and educating customers on proper application or usage.
- Reviewed files, recordings, and other documents to obtain information to respond to requests.
- Received and displayed product shipments on store retail shelves upon delivery.

- Collected payments and provided accurate change.
- Completed daily recovery tasks to keep areas clean and neat for maximum productivity.
- Built and maintained relationships with peers and upper management to drive team success.

Receptionist
St. Luke's medical center | St. Albans | May 2018 - May 2018

- Supervised setup of conference rooms for meetings and office events in common areas.
- Maintained client accounts by obtaining, recording, and updating personal and financial information.
- Transmitted information or documents to customers through email, mailings, or facsimile machine.
- Composed and prepared routine correspondence, letters, and reports with job-related software.
- Collated, bound, and stored computer-generated reports.
- Delivered administrative support to team members by making copies, sending faxes, organizing documents, and rearranging schedules.
- Scheduled space or equipment for special programs, meetings, and conferences.
- Answered multi-line telephone with polite tone of voice to provide general information and answer inquiries.
- Maintained daily calendars, set appointments with clients, and planned daily office events.
- Operated telephone switchboard to answer, screen and forward calls to appropriate personnel.
- Scheduled appointments and maintained and updated appointment calendars.
- Greeted visitors entering establishment to determine nature and purpose of visit.
- Supplied callers with office address and directions, employee email addresses and phone extensions.
- Updated and recorded customer or client information to maintain accounts.
- Sorted incoming mail and directed to correct personnel each day.
- Investigated and analyzed client complaints to identify and resolve issues.

Casual Sales Assistant
Big W | KEILOR DOWNS, VIC | March 2018 - March 2018

- Assisted customers by asking open-ended questions to understand needs and suggest suitable merchandise.
- Greeted and assisted customers to foster positive experiences.
- Arranged merchandise for display to highlight new styles, attract customers and enhance sales.
- Maximized sales by keeping areas tidy, fully stocked and correctly priced.
- Identified customer needs by asking questions and advising on best solutions.
- Used excellent verbal skills to engage customers in conversation and effectively determine needs and requirements.
- Kept calm and applied strong problem-solving and interpersonal skills to resolve conflicts.

REFERENCES

- **Simon McSorley
  <simon@wearecrew.io>**

More REFERENCES are available upon request.