Mitchel Sharko BCS ICS, BSc

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# Objective

Bright, dynamic, and creative computer science professional seeking to apply his problem solving and analytical abilities as a Software Developer.

**Technical Skills**

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| **Languages** | **IDE’s, Software, Libraries, & Frameworks** | **Other** |
| Java  C++\*  C\*  Assembly  TypeScript/  JavaScript\*  SQL\*  Python\*  CSS\*  Racket | Eclipse, Android Studio, JetBrains IDEs (PyCharm, IntelliJ)  Genymotion  SourceTree\*\*  Adobe Pro  LucidChart\*  Figma\*  React\*  JUnit/Pytest\*  Django\*  Graphene\*  Apollo Client\* | JSON  XML  WordPress  Git\*  Ableton  Azure  Heroku |

\*Currently furthering understanding

**Technical Projects**

**GreekBase – Web Application** (*personal): Sept 2019 - Present*

* Developing a fully responsive, user friendly web application to facilitate event management including graphical analytics, voting, check-in and event creation.
* Backend developed using open source software: Django, GraphQL, Graphene and PostgreSQL.
* Frontend created using React.js, Apollo Client, with stylized components (CSS) patterns to create an eye-catching, modern web design.

**Term Project – ATP Player Database** (*academic): Sep 2018 – Dec 2018*

* Developed a database using ER and Relational Modeling to reflect professional tennis players (ATP).
* Utilized Oracle Database to house data inserted using Oracle SQL and queried with PHP.

**Term Project – Software Engineering** (*academic): Sep 2017 – Dec 2017*

* Parsed a dataset asynchronously utilizing node.js API, and performed queries on the data to retrieve requested information using Typescript. Each deliverable used scrum methodology.

**Mind The Gap - Android App** *(academic):* *Jan 2016 – Apr 2016*

* Designed an Android app using Java, IntelliJ (IDE) and Genymotion (emulator).
* Parsed JSON data retrieved from Transport for London Open Data source to compile real time arrival information at stations on the London Underground. Black-box testing was implemented using JUnit.

**Research Proposal – CBT, VR, and Depression** (*academic):* *Jan 2016 – April 2016*

* Crafted a research proposal with a team of four inter-disciplinary students to devise the methodology to implement Cognitive Behavioral Therapy (CBT) within Virtual Reality (VR) to help treat seasonal affective disorder.
* Conceptualized the use of Bayesian networks for decision making with an in-session character (acting as a pseudo-therapist) implementing CBT techniques aiding the subject navigate through the VR experience.

**Work Experience**

**Full Stack Developer & Product Designer**, GreekBase, Vancouver *Sep 2019 – Present*

* Designed and implemented an ER Diagram for the GreekBase web application using LucidChart (self-taught) to 3rd Normal Form and tested using Pytest and Pycharm.
* Created wireframes and wire-flows using Figma (self-taught) to be used as templates for web design.
* Implemented and connected backend and frontend including authentication with Argon2 encryption.

**Banquet Server Trainer**, Fairmont Pacific Rim, Vancouver, B.C. *May 2017 – Jun 2020*

* Aimed for complete client satisfaction by providing the highest level of service during every banquet and private event with elements of luxury tailored to each individual
* Key roles included complete event set-up and tear-down, leading teams of colleagues to ensure synchronized service for various guests and VIPs, and training of current and new colleagues.

**Volunteer Experience**

**Class Liaison,** UBC Vancouver, British Columbia *Jan 2016 – May 2020*

* Hold class discussions to determine methods of improving communication between professors and students and propose alternatives to advance the learning environment

**Education**

**Bachelor of Computer Science ICS,** *University of BC*, Vancouver, BC *Grad: May 2020*

* Graduated with an Integrated Computer Science (ICS) Degree from the University of British Columbia with bridging modules focused on Marketing, Finance and Accounting from Sauder School of Business

**Bachelor of Science,** *University of Alberta,* Edmonton, Alberta   *Grad: May 2012*

* Completed Bachelor of Science Major in Biology, Minor in Economics
* Studied Microbiology, Biogeochemistry and Economics Abroad at Lancaster University, UK

**High School Student,** [*Kelowna Secondary School*](http://www.kss.sd23.bc.ca/Pages/default.aspx)*,* Kelowna, B.C. *Grad:* *June 2007*

* Graduated with Honors and completed the French Immersion, and Applied Science Programs

**Interests and Languages Spoken**

* Computers, Volleyball, Squash, Golf, Snowboarding, Travelling, Board Games
* Advanced Speaker, Reader and Writer: French
* Basic Speaker, Reader: Spanish, Mandarin, German (A2)