# NIROOJEN THAMBIMUTHU

niroojen.thambimuthu@gmail.com ⋄ (587)889-2376 ⋄ 3839 Varsity Dr NW, Calgary, Alberta, T3A 0Z3

www.linkedin.com/in/niroojen-thambimuthu ⋄ https://niroojen-thambimuthu.github.io/MyWebsite/

## SUMMARY

A highly motivated Computer Scientist, with project experiences in software analysis, testing and development. Strong interpersonal and time management skills, with a proven track record of providing superior results under high pressure situations. Creative problem-solving and analytical mindset, with proficiency in documenting and learning new technologies.

## QUALIFICATIONS

- Proficient in several programming languages including C#, C, HTML, Javascript, CSS, SQL, Python, Java, LaTeX, PHP, React, Node.js and Visual Basic.
- Quick learner, from personal and constructive peer feedback, and currently learning Microsoft .NET technologies such as VB.NET and VBScript.
- Strong foundation in various software practices and technologies, leading to a better understand and approach to fulfil complex solutions presented by the client.
- Exceptional interpersonal, oral and communication skills allowing me to work in single or team environments with limited supervision, obtained from projects and retail experience with clients.
- Showcased leadership, problem-solving and decision-making skills through completion of multiple occurring projects, while allocating priorities to others teammates under time pressure.
- Extensive technical written skills from software project documentations and final research reports.

## EDUCATION

**Bachelor of Science, Computer Science**                                    *September 2014 - June 2019*

- University of Calgary - Calgary, AB
- **Course Highlights**: Security, Software Development, Database Programming, Web Design, Network

## PROJECT EXPERIENCE

**QuickSplash Game - http://www.quicksplash.ca/**                              *January - April 2019*
University of Calgary - Calgary, AB

- Wrote a party questioning game, in a group of six, which allows multiple users to play simultaneously
- Developed front-end by layering HTML, CSS, Javascript, Bootstrap and CreateJS on top of React framework
- Utilized Node.js as Server-Side Technology and Socket.io for cookies and MongoDB implementations
- Used Agile software development principles into practices using Scrum methodology and pair programming
- Tested game dynamics using manual automation scripting to simulate different gaming sessions, and Google Developer Tools for mobile and responsiveness testing

**Rental Website**                                                            *September - December 2017*
University of Calgary - Calgary, AB

- Created makeshift rental housing market website, in a group of 3, showcasing proficiency in using database SQL and PHP implementations
- Personally scheduled weekly meetings and communicated effectively with the team to ensure successful completion of the project
- Completed the technical documentation and manual testing of the project using Test Driven Development principles

## RESEARCH EXPERIENCE

**Password Meter Research Papers**                                  *September 2017 - April 2018*
University of Calgary - Calgary, AB

- Conducted research on the effectiveness of password meters to users, resulting in a better understanding of security processes and protocols
- Worked in a group of four to collect and analyse quantitative password meter data integration from websites, including other research methods
- Reported findings through written report and presentation

## CERTIFICATIONS

**The Complete SQL Bootcamp**                                           *November 2019*

- Learned to query database and perform data analysis using SQL and PostgreSQL

**Full-Stack Web Development with React Specialization**            *April - September 2019*

- Build Web and Hybrid Mobile Solutions using React
- Front End and Server-Side Development
- Learned more on major technologies: HTML, CSS, React, Bootstrap

**Google IT Support Professional Specialization**                   *May - June 2019*

- Learned basics of System Administration and IT Infrastructure Services
- Technical Support Fundamentals and IT Security

## OTHER TECHNICAL SKILLS

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| **Software & Tools** | TeX-works, Visual Studio code, GitHub, Eclipse, MS Office(Word, Excel, Powerpoint) |
| **Database** | MySQL, MongoDB, PostgreSQL, Relational Databases, Entity Relationship Model |
| **Operating System** | Linux, Unix, Mac OS, Microsoft Windows, iOS. |
| **Software Practices** | Object Oriented Programming (OOP), TestDriven Development(TDD), Agile Development, Human-Computer Interaction principles |

## OTHER EXPERIENCE

**Service-Clerk/Cashier**                                          *September 2013 - Present*
Calgary COOP - Calgary, AB

- Responsible for managing transactions, organizing store, and participating with the management to increase retail productivity
- Efficient in building and maintaining diverse customer relations and resolving customer problems, leading to increase in retail sales and customer satisfaction
- Demonstrated great leadership traits, and performed clerical tasks in a fast paced environment, while ensuring high service standards are properly followed

## INTEREST

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| **Activities** | Various Sports, Biking, DIY mechanic, Driving, Reading, Logic Games, Fitness |
| **Technology** | Computers, Small Devices, Security implementations, Video Games, New Technology |