MATHEESAN MANOKARAN

🎓 Education

Ryerson University
B.Eng. in Computer Engineering
Expected 2019 | Toronto, ON
- Software stream
- Engineering Management specialization

🛠 Skills

Proficient with:
Java • SDLC • Python • HTML • CSS • Bootstrap • UML • MySQL • XML • C# • JSwing • Unity • VHDL • Git • **Android Studio** • Netbeans • Eclipse

Experience with:
Node.JS • Oculus Rift VR • Leap Motion API • AWS(EC2, S3, Cloudfront, MobileHub, Lex, RDS, Route 53) • OpenCV (Python) • Google Maps API • PostgreSQL • SASS • C • Postman • Spark • React • Express • MongoDB • C++

👤 Contact

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🖧 Links

Ⓓ devpost.com/matheesan25

 github.com/Matheesan2113

in linkedin.com/in/matheesan-manokaran

Ⓜ matheesanmanokaran.com

🎮 Interests

- Swimming
- Basketball
- PC Gamer
- Sci-Fi and Anime Entertainment
- Investing

⚛ Projects

Warehouse Tracker | Java, Jswing, MySQL, Netbeans
April, 2017 | Ryerson-Software Engineering| Toronto, Ontario
- Created class, state, sequence diagrams using **Violet UML** editor
- Created and edited drafts of Project Management Plan & Testing Plan
- Created Test Cases and finished the project with 100% tests passing
- Coded the project myself using OOP primarily with **Java** and **Jswing**
- Integrated **MySQL** instead of hard-coding a database to make program more robust

Benign | Python, OpenCV, Java, Android Studio
February, 2017 | Qhacks | Kingston, Ontario
- Studied basic fundamentals of machine learning from online course
- Used Neural networks as a tool for machine learning on back-end
  - Created methods for comparing jaggedness and color
  - Fed data server 150 sample images to compare to new images
- On Android, added the graph functionality to display results of image operations (Jaggedness, Asymmetry and Color)

Asteroid VR | C#, Unity, Maya
January, 2017 | Deltahacks | Hamilton, Ontario
- Configured the hardware (Oculus and Leap Motion) by analyzing docs
- Used Unity Physics Engine to randomly generate asteroids in a field
- We had the most demonstrations at Deltahacks

💼 Experience

💻 Software Integration Engineer Intern - *Avaya (Zang)*
May 2017 – Present
- Defining test strategies & testing of cloud and premise based software
- Developing scripts to test RESTful API
- Automated test scripts using **Ranorex** and **Selenium-Python**
- Validating software fixes, analyzing logs for debugging, summarizing testing results for company's feature product
- Reviewed customer documentation and made presentations on features

🛟 First-Aid Instructor – *Royal Life Saving Society*
September 2013 – Present
- Roles within organization include supervisor, coach, examiner & lifeguard
- Provided weekly plans and feedback for myself and other staff as well as guidance as a senior employee
- Evaluated performance of other staff and gave development plans
- Had the opportunity to lifeguard the Toronto 2015 Pan-Am Games
- Received award: President's List 2016 from Royal Lifesaving Society