

# Robert McCartney

Software Engineer at Google

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## Summary

Creative and dedicated software engineer who is passionate about all things to do with parallel computing, machine learning, and distributed data mining.

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## Experience

### **Software Engineer at Google**

May 2015 - Present

### **Co-Founder**

September 2014 - June 2015 (10 months)

- Start-up initiative at the RIT Library where students can practice presentations and receive crucial feedback and guidance

### **Communications Officer at CLB-25 United States Marine Corps Reserves**

October 2013 - June 2015 (1 year 9 months)

### **Software Developer at Rochester Institute of Technology**

January 2015 - May 2015 (5 months)

- Created an iOS app for heart rate monitoring of an audience by a musician during a live performance
- Required creative thinking and unique problem solving to develop a product that scaled seamlessly

### **Graduate Teaching Assistant at Rochester Institute of Technology**

August 2014 - May 2015 (10 months)

- Created lesson plans, prepared quizzes, and taught classes in introductory Java and Python.
- Led recitation sessions and held mentoring hours in support of the professional development of students

### **Research Assistant at Rochester Institute of Technology**

January 2014 - December 2014 (1 year)

- Researched Human-Computer Interaction and gesture recognition models with a 3D mouse
- Selected to present novel research and demos in the main showcase of ImagineRIT 2014

### **Co-Founder and Managing Director, Asia at SecreTerry**

November 2012 - September 2013 (11 months)

- Co-Founder and Managing Director of a global outsourcing start-up focused on assisting small businesses and entrepreneurs with a multitude of daily tasks.

### **Captain at United States Marine Corps**

June 2009 - July 2013 (4 years 2 months)

- Led operational staff of seven senior managers and 81 direct report Marines
- Mentored 88 Marines for career progression and professional development; balancing competing requirements and priorities, forecasting changes, and ensuring timely completion of all active functionality
- Developed and instituted aggressive training plan in preparation for combat deployments thus significantly increasing individual skill proficiency and overall effectiveness
- Maintained full accountability of over \$50 million worth of equipment distributed throughout Southeast Asia, to include \$400K in fiscal budget for training and maintenance
- Worked collaboratively to establish a robust maintenance process resulting in a 97% operational readiness across over 150 asset classes
- Planned and implemented the installation of tactical communications networks supporting over 1,000 Marines, including satellite communications, HF, VHF, and UHF radio, and circuit-switched and packet-switched networks, spread over 6 different countries and thousands of miles in the Pacific region

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## Education

### **Rochester Institute of Technology**

Master of Science (MS), Computer Science, 2013 - 2015

**Activities and Societies:** Member of the National Society of Leadership and Success; Recipient of the Global, Organizational, & Emerging Professionals Leadership Certificates from the RIT Leadership Institute

### **Rochester Institute of Technology**

Advanced Certificate in Big Data Analytics, Artificial Intelligence, 2013 - 2015

### **Brown University**

Sc.B, Applied Mathematics and Economics, 2004 - 2009

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## Honors and Awards

Navy and Marine Corps Achievement Medal, Outstanding Graduate Student Award & Scholarship, Honor Society of Phi Kappa Phi, Certificate of Appreciation, United States Presidential Scholar

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[Contact Robert on LinkedIn](#)