

# Rebecca Collins

Senior Software Engineer

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## Summary

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## Experience

### Senior Software Engineer at Google

February 2017 - Present

### Software Engineer at Oscar Insurance

July 2015 - February 2017 (1 year 8 months)

At Oscar, we're building the best health insurance technology in the world, solving hard problems with phenomenal social impact. I work on a team that creates tools to put information at the fingertips of Customer Service and other internal teams.

### Senior Software Engineer at Google

December 2010 - June 2015 (4 years 7 months)

I was a tech lead for the DFP Revenue Reporting team, our goal was to create reports for clients that helped them understand how their business operated across Google ad products.

# Developed and maintained critical infrastructure pipelines for live periodic client reports

# Processed extremely large scale logs data with MapReduce/Flume pipelines

# Leveraged column-based data stores (Java, Python, Dremel)

I also worked as a developer on the DFP frontend, with Google Web Toolkit (a Java based FE tool), launching numerous features including FE pages for a new ad serving functionality and timesaving workflow improvements.

### Summer Intern at Google

July 2009 - October 2009 (4 months)

- Created visualization tool for events in distributed storage system using the Google Web Toolkit
- Evaluated algorithms for management of a distributed system: how the frequency of status updates from system components impacts overall system throughput and latency

### Summer Intern

April 2009 - July 2009 (4 months)

- Profiled performance of Intel Nehalem memory hierarchy

### Summer Intern

April 2007 - August 2007 (5 months)

- Conducted study of the trade-offs of high-level programming tools on streaming multi-core systems
- Evaluated the Cell BE processor vs. the NVIDIA GeForce 8800 GPU for general purpose programs
- Implemented parallel benchmarks Bitonic Sort, Binomial Options Pricing, and Smith-Waterman alignment with the RapidMind programming tool

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## Education

### **Columbia University in the City of New York**

PhD, Computer Science, 2005 - 2011

### **University of Tennessee, Knoxville**

MS, Computer Science, 2003 - 2004

### **University of Tennessee, Knoxville**

BS, Computer Science, 1999 - 2003

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[Contact Rebecca on LinkedIn](#)