

Greg Merritt

44 Columbia St. #1R – Cambridge, MA 02139
(207) 576-0833 | gremerritt@gmail.com
<http://gregmerritt.xyz>
<https://github.com/gremerritt>
<https://linkedin.com/in/gremerritt>

Interests and Technical Experience

I am interested in leveraging my software engineering experience to create cutting-edge technologies that will transform industries. Past projects include:

- A flexible multithreaded Neural Network in C: <https://github.com/gremerritt/neural-net-OCR>
- Computer Vision project to analyze videos of eels swimming in a tank: <https://github.com/gremerritt/eel-cam>
- Solving the Laplace equation on an icosahedron: <https://github.com/gremerritt/icosahedral-lattice>

Other technical experience includes:

- Languages: C/C++, Ruby, C#/.NET, Python, SQL
 - Frameworks and Libraries: OpenCV, OpenMP, MPI, some experience with CUDA and GPU programming
 - Operating Systems: Linux, Mac OS X, Windows
 - Version Control with Git
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Education

M.S. in Computer Engineering
Boston University, Boston, MA

January 2015 – May 2017 (Anticipated)

- Relevant coursework: High Performance Programming with Multicore and GPUs, Numerical Algorithms for HPC, Advanced Algorithms, Advanced Data Structures, Computer Vision, Computer Organization, Software Design
- M.S. Ambassador: I was available to first semester CE/EE graduate students to ask questions about course selection, student life, etc.

B.A. with Honors in Physics, Mathematical Sciences
Colby College, Waterville, ME

September 2008 – May 2012

- Thesis: Isometries and Spontaneous Lorentz Violation in General Relativity
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Employment

Support Engineer at EverTrue (Boston, MA)

September 2014 – August 2016

EverTrue is a Boston-based startup founded in 2010. As a SaaS company, they provide big data analytics to universities and nonprofits to use in their fundraising efforts. While at EverTrue I:

- Created internal utilities used by our engineering and support teams to analyze very large customer data files in order to quickly identify formatting and data issues.
- Built a monitoring service for our data importer (with Docker and Ruby). This allowed us to proactively identify issues before they surfaced to customers.
- Worked with our customers to troubleshoot issues in our Web and Mobile applications.

Technical Services Analyst at Epic (Madison, WI)

August 2012 – May 2014

Epic creates a suite of applications used by the largest healthcare organizations in the country, and handles the medical records of over 50% of the US population. While at Epic I:

- Wrote and released production code (M/Caché) to our customers.
- Investigated software and server issues, and implemented creative solutions to technical problems.
- Managed long-term projects and goals for the hospital organizations.