MATTHEW VAUGHAN

Software engineer

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🔗 https://xmattv.com   📍 Boston, MA 02118

EXPERIENCE

Independent Contractor
Focus EduVation

📅 10/2018 - Ongoing   📍 Woburn, MA

Offers a portfolio of services to enable online learning for businesses and universities

- Provided assessment materials based on lectures for graduate level online courses in data science

Associate Member of Technical Staff
Salesforce (by aquisition of Demandware)

📅 10/2015 - 11/2016   📍 Burlington, MA

Fifty billion dollar world leader in CRM with an inclusive corporate culture

- Secured vulnerable systems in widely used enterprise software over multiple releases with zero downtime
- Implemented new features for a world class SaaS e-commerce product with thousands of enterprise clients and users in the hundred of millions
- Worked on a diverse team utilizing Agile methodology

Research Assistant
Tufts University

📅 01/2015 - 05/2016   📍 Medford, MA

Selective "right sized" university in Medford, Massachusetts

- Designed declarative portion of a nano-pass compiler in SML for use in a compilers course
- Implemented a byte code executing virtual machine with parallel and concurrent garbage collection in C
- Targeted C, LLVM, and x86_64 ASM as output languages for compilers and transpilers

Software Engineer
International Business Machine (IBM)

📅 01/2014 - 01/2015   📍 Littleton, MA

Monolithic computer company with a hundred year history and product offering across the spectrum that also engages in basic research

- Implemented and tested user interfaces for top tier enterprise order management software

EDUCATION

B.S. Computer Science
University of Massachusetts - Lowell
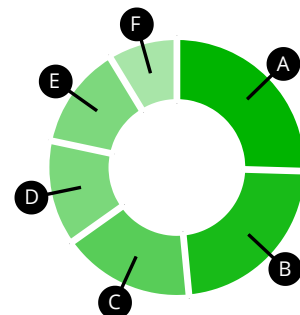
📅 2010 - 2013

GPA **3.9** / 4.0

Ph.D. (Incomplete)
Tufts University

📅 2015 - 2016

GPA **3.7** / 4.0

MY TIME

- **A** Designing Course Materials
- **B** Sleeping
- **C** Lifting weights and running
- **D** Learning Spanish
- **E** Face to face with friends and family
- **F** Playing guitar and singing

LANGUAGES

English
Native
⬤⬤⬤⬤⬤

Spanish
Intermediate
⬤⬤⬤◯◯

TECHNOLOGIES

Back end

Java | C | C++

Mid stack

PHP | JSP | Velocity | SpringMVC

Front end

JavaScript | HTML | CSS

Functional

SML | Scheme | Haskell | Scala

Servers

Oracle SQL | MongoDB | Tomcat | Apache httpd

Docker

Tools

Git | Jenkins | Bash | ssh | Virtual Box

VMWare Workstation | hyperV

Passing Familiarity With

Python | R | Prolog | Google Cloud | AWS

FIND ME ONLINE

LinkedIn
xmvaughan

Github
xmvaughan