

Matthew Vaughan

Software engineer

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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, derived from lectures, for online courses educating students of information technology and/or 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 across four 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

PROJECTS

Custom voicemail and appointment scheduler

02/2019 - 04/2019 <https://xmattv.com/softphone>

Created a voice mail and appointment scheduler

- Utilizes Twilio, Google Calendar APIs, and Nodejs
- Appointment times and dates spoken by the user and added to my google calendar
- Give it a try, the direct number is (617) 335 1304
- Update July 2019, I let my Twilio Account lapse, demo no longer functions

EDUCATION

B.S. Computer Science

[University of Massachusetts - Lowell](#)

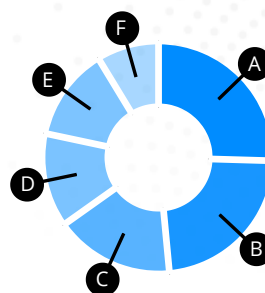
2010 - 2013 GPA 3.9 / 4.0

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

C	●●●●●●
Java	●●●●●●
C++	●●●●●●
Scheme	●●●●●●
JavaScript	●●●●●●
Scala	●●●●●●
SQL	●●●●●●
SML	●●●●●●
Haskell	●●●●●●
Smalltalk	●●●●●●
Prolog	●●●●●●
Python	●●●●●●
R	●●●●●●