

# Matthew Vaughan

## Software engineer

📞 (781) 808-1276 @ mv@thenshow.me 🌐 https://thenshow.me 📍 New Haven, CT

### EXPERIENCE

#### Independent Contractor

Focus EduVation 10/2018 - 07/2019 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 (Software Engineer II)

Salesforce (by aquisition of Demandware) 10/2015 - 11/2016

Burlington, MA

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

- Implemented new features for a world class SaaS e-commerce product with thousands of enterprise clients and users in the hundred of millions

#### 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

#### 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

#### Browser phone dialer

08/2020 - Ongoing https://thenshow.me

SIP dialer with voice encryption (TLS) between internal users, which allows for outbound calls to all regular phone numbers

- Attempts to dial out using the confirmed phone numbers of logged in users as the callerID (when dialing regular numbers of the PTSN)
- Voice calls to SIP numbers is TLS encrypted (to other SIP addresses supporting TLS)
- Calls between registered logged in users can be browser to browser or browser to phone

#### Voicemail Replacement and Appointment Scheduler

08/2020 - Ongoing Location

Voicemail and appointment scheduler replaces your existing voicemail forwarding number and allows callers to schedule appointments

- Users register for a thenshow.me account
- Using phone forwarding codes (like Google Voice does), you replace your current voicemail number with (888) 200-1601
- Callers reach your mailbox with an option to "leave a message" or "book an appointment"
- Either way, you receive an SMS. Either with the transcript of the voicemail, or to verify or decline an appointment
- The prototype integrated with Google Calendar, I am seeking a Google/Apple agnostic solution for the newest iteration

### EDUCATION

#### B.S. Computer Science

University of Massachusetts - Lowell

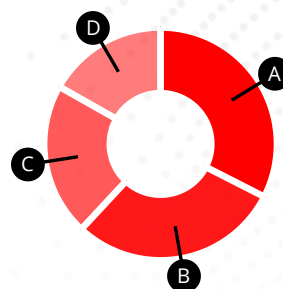
2010 - 2013 GPA 3.9 / 4.0

#### Ph.D. (Incomplete)

Tufts University

2015 - 2016 GPA 3.7 / 4.0

### WORK LIFE BALANCE



- A Career and Legacy (Work & Projects)
- B Daunting Human Requirement (Sleeping)
- C Skills & Fitness (Gym, Guitar, Language)
- D Leisure (Friends, Family, Community, Self)

### LANGUAGES

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