

# Ben Artin

Unabridged resume, page 1 of 2

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🌐 github.com/airbornemint

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☎ +1 (617) 953 7243

## EMPLOYMENT

- Connecticut Emerging Infections Program** New Haven, CT **Research Assistant** 2016  
Mathematical modeling of influence of contact network heterogeneity and time-variance on HPV vaccine impact
- Yale School of Public Health** New Haven, CT **Software Engineering Consultant** 2016  
Design and implementation of iPad app for education of patients in primary care setting about adolescent vaccination
- Fetch Softworks** Hanover, NH **Software Engineering Consultant** 2015 – present  
**Senior Software Engineer** 2003 – 2015  
Design and development of Fetch, the premier Macintosh FTP client and Roadshow, an iPad app for time-shifting online video. Wide range of responsibilities, including localization support, maintenance of development infrastructure, and planning the products' long-term direction
- Harvard Medical Faculty Physicians** Boston, MA **Software Engineering Consultant** 2010 – 2016  
Design and implementation of iPad front-end for KBHR, a hospital EHR system; design and implementation of InfoSAGE, a tool for facilitating patient and caregiver engagement in geriatric care; development infrastructure support
- Harvard Extension School** Cambridge, MA **Teaching Assistant** 2013 – 2014  
Instruction and grading, "Introduction to Biostatistics"
- Avid Technology** Tewksbury, MA **Software Engineer** 2002 – 2003  
Design and development of Avid AVX plugin architecture; support of 3rd party developers; redesign of AVX API
- Metacarta** Cambridge, MA **Software Engineer** 2002  
Development of the MetaCarta Geographic Text Search System
- Massachusetts Institute of Technology** Cambridge, MA **Software Engineer** 1996 – 2002  
Design and development of MIT Kerberos for Macintosh; redesign of Kerberos UX on macOS; API development in support of UX redesign
- Microsoft** Redmond, WA **Software Engineering Intern** 1996  
Internship on the Microsoft Office for the Macintosh team

## EDUCATION

- Yale School of Medicine** New Haven, CT Physician Associate **MMSc** expected 2018  
With clinical rotations in geriatrics, urgent care, interventional & diagnostic radiology, anesthesiology, and trauma surgery
- Yale School of Public Health** New Haven, CT Epidemiology of Microbial Diseases **MPH** expected 2018  
non-degree, 2014
- Tufts University** Somerville, MA non-degree, 2011 – 2013
- Harvard Extension School** Cambridge, MA non-degree, 2011 – 2013
- Northeastern University** Boston, MA non-degree, 2011 – 2013
- Massachusetts Institute of Technology** Cambridge, MA Computer Science **MEng** 2001  
Electrical Engineering and Computer Science **BS** 2001  
Mathematics **BS** 2001

## VOLUNTEER EXPERIENCE

- Yale School of Public Health** New Haven, CT **Electronics Workshop Instructor** 2016
- Trumbull EMS** Trumbull, CT **EMT-B** 2015 – 2016
- Yale EMS** New Haven, CT **EMT-B** 2015
- MIT EMS** Cambridge, MA **EMT-B** 2010 – 2015
- Boston Athletic Association** Boston, MA **Emergency services** 2001 – 2015  
First aid, medical communications, course evacuation, emergency dispatch, and emergency planning
- Other public service organizations** Boston metro, MA **Emergency services** 2000 – 2015  
First aid, medical communications, emergency dispatch, and emergency planning

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## AWARDS

**Yale New Haven Hospital**

**Physician Assistant Education Association**

Designed and taught semester-long 3D-printing workshop to PA students

**MIT**

**MIT EMS**

**MacHack conference**

**William Lowell Putnam Mathematical Competition**

**International Mathematics Olympiad**

**American Computer Science League All-Star Competition**

**Croatian National Mathematics Competition**

**"Great Catch" safety commendation** 2018

**Future PA Educator Fellowship** 2016

**Collier Medal for Community Service** 2014

**Mentor of the Year** 2014

**Best Hack** 1998, 2000

**Honorable mention** 1997, 1998

**Bronze medal** 1993, 1994, 1995

**Second place, individual categories** 1995

**First place** 1992, 1993, 1994, 1995

## PUBLICATIONS & PRESENTATIONS

**Yale Master's Thesis**

Artin, B **Assessment and Optimization of RSV Prophylaxis in Connecticut, 1995-2013** 2018

**Yale School of Medicine**

Panelist **The Role of the Physician in Caring for LGBTQ Patients** 2018

**O'Reilly Mac Dev Center**

Artin, B **Easy Access to the Applications Folder from a Disk Image** 2005

**MacHack conference proceedings**

Artin, B **Signing Prebound Executables on Mac OS X** 2003

**MacHack conference proceedings**

Artin, B **Data Sharing on Mac OS X** 2001

**MIT Master's Thesis**

Artin, B **Hierarchical Distributed Repositories in CVS** 2001

**MacTech™ Magazine**

Artin, B **Calling CFM Shared Libraries from Classic 68K Code** 1999

## LICENSES & CERTIFICATIONS

**American Heart Association**

**Advanced Cardiac Life Support** 2017 - present

**Connecticut Office of Emergency Medical Services**

**EMT** 2015 - 2017

**National Registry of Emergency Medical Technicians**

**EMT** 2015 - 2017

**Massachusetts Office of Emergency Medical Services**

**EMT** 2009 - 2017

**American Heart Association**

**CPR, Healthcare Provider** 2009 - present

**Federal Communications Commission**

**Amateur Radio Operator** 2000 - present

## SKILLS

**Programming languages**

Swift, Objective-C, Python, C/C++, Scheme, Java, Perl, PHP, HTML, XML, CSS, Arduino

**Data Analysis**

R, Matlab, SAS

**APIs**

Cocoa Touch, Cocoa, libc, STL, Boost, Twisted, PyObjC

**Network Protocols**

HTTP, TLS, WebDAV, Amazon S3, SSH, FTP, SMTP, Subversion, CVS, IMAP, LDAP, POP, Kerberos, AFP

**Other**

Compiler implementation, Mach-O format, L<sup>A</sup>T<sub>E</sub>X, cryptography, network security, Linux, Trac, Adobe Photoshop & Illustrator