

Ben Artin

Pronouns: 'they' or 'he'

Unabridged resume, page 1 of 2

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🌐 github.com/airbornemint

📍 33 Sylvan Ave Apt #906, New Haven, CT 06519

☎ +1 (617) 953 7243

EMPLOYMENT

- Research Assistant** • **Yale School of Public Health** New Haven, CT Jan 2019 – present
Mathematical modeling of RSV and other respiratory infections in infants
- Senior Software Engineer** • **Fetch Softworks** Hanover, NH 2003 – present
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
- Software Engineering Consultant** • **Harvard Medical Faculty Physicians** Boston, MA 2009 – 2017
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
- Research Assistant** • **Connecticut Emerging Infections Program** New Haven, CT 2016
Mathematical modeling of influence of contact network heterogeneity and time-variance on HPV vaccine impact
- Software Engineering Consultant** • **Yale School of Public Health** New Haven, CT 2016
Design and implementation of iPad app for education of patients in primary care setting about adolescent vaccination
- Teaching Assistant** • **Harvard Extension School** Cambridge, MA 2013 – 2014
Instruction and grading, "Introduction to Biostatistics"
- Software Engineer** • **Avid Technology** Tewksbury, MA 2002 – 2003
Design and development of Avid AVX plugin architecture; support of 3rd party developers; redesign of AVX API
- Software Engineer** • **Metacarta** Cambridge, MA 2002
Development of the MetaCarta Geographic Text Search System
- Software Engineer** • **Massachusetts Institute of Technology** Cambridge, MA 1996 – 2002
Design and development of MIT Kerberos for Macintosh; redesign of Kerberos UX on macOS; API development in support of UX redesign
- Software Engineering Intern** • **Microsoft** Redmond, WA 1996
Internship on the Microsoft Office for the Macintosh team

EDUCATION

- MMSc, Physician Assistant** • **Yale School of Medicine** New Haven, CT Dec 2018
Inpatient rotations: internal medicine, emergency medicine, pediatrics, geriatrics, obstetrics and gynecology, psychiatry, anesthesiology, diagnostic radiology, interventional radiology
Outpatient rotations: primary care, urgent care
Surgical rotations: general and orthopedic surgery, trauma surgery
- MPH, Epidemiology of Infectious Diseases** • **Yale School of Public Health** New Haven, CT Dec 2018
non-degree • **Tufts University** Somerville, MA 2014
non-degree • **Harvard Extension School** Cambridge, MA 2011 – 2013
non-degree • **Northeastern University** Boston, MA 2011 – 2012
- MEng, Computer Science** • **MIT** Cambridge, MA 2001
- BS, Electrical Engineering & Computer Science** • **MIT** Cambridge, MA 2001
- BS, Mathematics** • **MIT** Cambridge, MA 2001
- Dual BS, Electrical Engineering & Computer Science and Mathematics** • **MIT** Cambridge, MA 2001

LICENSES & CERTIFICATIONS

- Physician Assistant** • **Connecticut Department of Public Health** pending
- Physician Assistant** • **National Commission on Certification of Physician Assistants** Mar 2019 – present
- Pediatric Advanced Life Support** • **American Heart Association** Dec 2018 – present
- Advanced Cardiac Life Support** • **American Heart Association** 2017 – present
- EMT** • **Connecticut Office of Emergency Medical Services** 2015 – 2017
- EMT** • **National Registry of Emergency Medical Technicians** 2015 – 2017
- EMT** • **Massachusetts Office of Emergency Medical Services** 2009 – 2017
- Healthcare Provider CPR** • **American Heart Association** 2009 – present
- Amateur Radio Operator** • **Federal Communications Commission** 2000 – present

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VOLUNTEER EXPERIENCE

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

AWARDS

- Patient safety commendation ("Great Catch")** • Yale New Haven Hospital Jan 2018
- Future PA Educator Fellowship** • Physician Assistant Education Association 2016
- Designed and taught semester-long 3D-printing workshop to PA students
- Collier Medal for Community Service** • MIT 2014
- Mentor of the Year** • MIT EMS 2014
- Best Hack** • MacHack conference 1998, 2000
- Honorable mention** • William Lowell Putnam Mathematical Competition 1997 – 1998
- Bronze medal** • International Mathematics Olympiad 1993 – 1995
- Second place, individual categories** • American Computer Science League All-Star Competition 1995
- First place** • Croatian National Mathematics Competition 1992 – 1995

PUBLICATIONS & PRESENTATIONS

- How to be out while applying**, Panelist • Yale School of Medicine Q-Med Conference Mar 2019
- Assessment and optimization of RSV prophylaxis in Connecticut**, Artin, B & al • Yale Master's Thesis May 2018
- Internal medicine resident training on gender identity**, Panelist • Yale-New Haven Hospital Dec 2018
- The role of the physician in caring for LGBTQ patients**, Panelist • Yale School of Medicine 2016
- Easy access to the Applications folder from a disk image**, Artin, B • O'Reilly Mac Dev Center 2005
- Signing prebound Executables on Mac OS X**, Jurišić, M • MacHack conference proceedings 2003
- Data sharing on Mac OS X**, Jurišić, M • MacHack conference proceedings 2001
- Hierarchical distributed repositories in CVS**, Jurišić, M • MIT Master's Thesis 2001
- Calling CFM shared Libraries from classic 68K code**, Jurišić, M • MacTech™ Magazine 1999

SKILLS

- Data Analysis** R, Matlab, SAS
- Clinical Skills** Suturing & laceration repair, venipuncture, Seldinger technique, fluoroscopy, direct & video laryngoscopy, oral & nasal endotracheal intubation
- Programming languages** Swift, Objective-C, Python, C/C++, Scheme, Java, Perl, PHP, HTML, XML, CSS, Arduino
- 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
- DevOps** Github, GitLab, Trac, Docker, AWS, Digital Ocean
- Other** Compiler implementation, Mach-O format, TEX, cryptography, network security, Linux, Trac, Adobe Photoshop & Illustrator