

Ben Artin

Pronoun: "they"

✉ ben@artins.org 🏠 ben.artins.org
📍 33 Sylvan Ave, Apt #906, New Haven, CT 06519
☎ +1 (617) 953 7243

EMPLOYMENT

- Principal Software Engineer** • **Rivet Health** Sandy, UT Oct 2020 – present
Full stack web app, healthcare payer management and claim analytics: engineering; diversity and inclusion committee
- Software Engineering Consultant** • **Yale School of Medicine** West Haven, CT Sep 2019 – present
Full stack web app, genetics lab data management: UX design, project management, engineering, devops
Technologies: Angular, TypeScript, Flask, SQLAlchemy, Python, PostgreSQL, Docker, GitLab
- Research Assistant** • **Yale School of Public Health** New Haven, CT Jan 2019 – present
Respiratory syncytial virus: mathematical modeling
- Nursing Supervisor** • **City of new Haven** New Haven, CT Apr 2020 – May 2020
Shelter for COVID+ persons experiencing homelessness: patient care and coordination, staff training, shelter operations
- Physician Assistant, Psychiatry** • **Four Winds Hospitals** Katonah, NY Sep 2019 – July 2020
Inpatient psychiatry: patient admissions, ages 6+
- Software Engineering Consultant** • **World Health Organization** Geneva, Switzerland June 2019 – Oct 2019
Web-based tools for analysis of pneumococcal vaccine impact: UX design, engineering, devops
- Research Assistant** • **Connecticut Emerging Infections Program** New Haven, CT 2016
Human papillomavirus: mathematical modeling
- Software Engineering Consultant** • **Yale School of Public Health** New Haven, CT 2016
iOS app for adolescent vaccine patient education: UX design, engineering
- Software Engineering Consultant** • **Fetch Softworks** Hanover, NH 2015 – Feb 2021
- Teaching Assistant** • **Harvard Extension School** Cambridge, MA 2014
- Teaching Assistant** • **Harvard Extension School** Cambridge, MA 2013
"Introduction to Biostatistics": instruction, grading
- Software Engineering Consultant** • **Harvard Medical Faculty Physicians** Boston, MA 2009 – 2017
KBHR, iPad EHR frontend: UX design, engineering, devops
Technologies: Cocoa Touch, Objective-C, Trac
InfoSAGE, web app for facilitating patient and caregiver engagement in geriatric care: UX design, engineering, devops
Technologies: HTML, JavaScript, Trac
- Senior Software Engineer** • **Fetch Softworks** Hanover, NH 2003 – 2015
Fetch, premier macOS FTP/SFTP client: UX design, engineering, testing, devops, product strategy
Technologies: Carbon, Cocoa, C++, Objective-C++, FTP, SFTP, Kerberos, Xcode, GitLab, Subversion
Roadshow, iPad app for time-shifting online video: UX design, engineering, testing, devops, product strategy
Technologies: Cocoa Touch, Objective-C, Xcode, GitLab
Starling, full-stack web app for order and payment processing: UX design, engineering, testing, devops, product strategy
Technologies: PHP, Python, SQLAlchemy, MySQL, AWS, Digital Ocean
- Software Engineer** • **Avid Technology** Tewksbury, MA 2002 – 2003
Avid AVX plugin architecture: API design, engineering, developer support
- Software Engineer** • **Metacarta** Cambridge, MA 2002
MetaCarta Geographic Text Search System: engineering
- Software Engineering Intern** • **Microsoft** Redmond, WA 1996
Microsoft Office for the Macintosh: engineering
- Software Engineer** • **Massachusetts Institute of Technology** Cambridge, MA 1996 – 2002
MIT Kerberos for Macintosh: UX design, API design, engineering, product strategy, developer support, devops
- Software Engineer** • **various**
Non-healthcare employment; details available on request

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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 Medford, 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

LICENSES & CERTIFICATIONS

Physician Assistant • New York	Aug 6 2019 – July 31 2022
Physician Assistant • New Jersey	July 24 2019 – Aug 31 2021
Physician Assistant • Connecticut	May 2019 – Jan 31 2022
Physician Assistant • National Commission on Certification of Physician Assistants	Mar 2019 – Dec 31 2021
Controlled Substance Registration • Drug Enforcement Administration	Sep 10 2019 – June 30 2022
National Provider Identifier • Centers for Medicare and Medicaid Services	Sep 6 2019 – present
Advanced Cardiac Life Support • American Heart Association	2017 – June 2021
Pediatric Advanced Life Support • American Heart Association	Dec 2018 – Dec 2020
Healthcare Provider CPR • American Heart Association	2009 – present
Amateur Radio Operator • Federal Communications Commission	2000 – present

VOLUNTEER EXPERIENCE

COVID vaccinator • Medical Reserve Corps New Haven, CT	2021
Medical staff • Medical Reserve Corps New Haven, CT	2020
Shelter for COVID+ persons experiencing homelessness	
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	
Emergency services • Other public service organizations Boston, MA	2000 – 2015
First aid, medical communications, 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

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PUBLICATIONS & PRESENTATIONS

Assessment & optimization of RSV prophylaxis in CT, 1996-2013 , Artin, B & al • Nature Scientific Reports	May 2021
pspline.inference: Estimation of infectious disease outbreaks using GAM with P-splines , Artin, B • CRAN	July 2020
Use of P-splines in estimation of infectious disease outbreaks , Artin, B & al • medRxiv preprint	July 2020
docknitr: Using Docker images to process Rmarkdown blocks , Artin, B • CRAN	Jan 2020
Emergency medicine resident training on gender diversity , Panelist • Yale-New Haven Hospital	May 2019
How to be out while applying , Panelist • Yale School of Medicine Q-Med Conference	Mar 2019
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

Electronic Healthcare Records	Epic, Cerner
Data Analysis	R, Shiny, Matlab, SAS
Programming languages	TypeScript, JavaScript, Python, Swift, Objective-C/C++, C/C++, R, Scheme, Java, Perl, PHP, HTML, XML, CSS, Arduino
APIs	Angular, rxjs, node.js, Flask, SQLAlchemy, Cocoa Touch, Cocoa, jQuery, React, STL, Boost, Twisted
Databases	PostgreSQL, MySQL
Network Protocols	HTTP, TLS, WebDAV, Amazon S3, SSH, FTP, SMTP, Subversion, CVS, IMAP, LDAP, POP, Kerberos, AFP
DevOps	Github, GitLab, Docker, AWS, Trac, Digital Ocean
CAD/CAM	Autodesk Fusion 360, Autodesk EAGLE, Carbide Motion
Other	X12, Compiler implementation, LaTeX, cryptography, network security, Linux, PCB design, Adobe Photoshop & Illustrator