

# Iris Artin

Pronoun: "they"

Formerly: Ben Artin, Miroslav Jurišić

✉ iris@artins.org 🏠 iris.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

<b>MMSc, Physician Assistant</b> • <b>Yale School of Medicine</b> 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	
<b>MPH, Epidemiology of Infectious Diseases</b> • <b>Yale School of Public Health</b> New Haven, CT	Dec 2018
non-degree • <b>Tufts University</b> Medford, MA	2014
non-degree • <b>Harvard Extension School</b> Cambridge, MA	2011 – 2013
non-degree • <b>Northeastern University</b> Boston, MA	2011 – 2012
<b>MEng, Computer Science</b> • <b>MIT</b> Cambridge, MA	2001
<b>BS, Electrical Engineering &amp; Computer Science</b> • <b>MIT</b> Cambridge, MA	2001
<b>BS, Mathematics</b> • <b>MIT</b> Cambridge, MA	2001

## LICENSES & CERTIFICATIONS

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

## VOLUNTEER EXPERIENCE

<b>COVID vaccinator</b> • <b>Medical Reserve Corps</b> New Haven, CT	2021
<b>Medical staff</b> • <b>Medical Reserve Corps</b> New Haven, CT	2020
Shelter for COVID+ persons experiencing homelessness	
<b>Electronics Workshop Instructor</b> • <b>Yale School of Public Health</b> New Haven, CT	2016
<b>EMT</b> • <b>Trumbull EMS</b> Trumbull, CT	2015 – 2016
<b>EMT</b> • <b>Yale EMS</b> New Haven, CT	2015
<b>EMT</b> • <b>MIT EMS</b> Cambridge, MA	2010 – 2015
<b>Emergency services</b> • <b>Boston Athletic Association</b> Boston, MA	2001 – 2015
First aid, medical communications, course evacuation, emergency dispatch, and emergency planning	
<b>Emergency services</b> • <b>Other public service organizations</b> Boston, MA	2000 – 2015
First aid, medical communications, emergency dispatch, and emergency planning	

## AWARDS

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

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## PUBLICATIONS & PRESENTATIONS

<b>Assessment &amp; optimization of RSV prophylaxis in CT, 1996-2013</b> , Artin, B & al • <b>Nature Scientific Reports</b>	May 2021
<b>pspline.inference: Estimation of infectious disease outbreaks using GAM with P-splines</b> , Artin, B • <b>CRAN</b>	July 2020
<b>Use of P-splines in estimation of infectious disease outbreaks</b> , Artin, B & al • <b>medRxiv preprint</b>	July 2020
<b>docknitr: Using Docker images to process Rmarkdown blocks</b> , Artin, B • <b>CRAN</b>	Jan 2020
<b>Emergency medicine resident training on gender diversity</b> , Panelist • <b>Yale-New Haven Hospital</b>	May 2019
<b>How to be out while applying</b> , Panelist • <b>Yale School of Medicine Q-Med Conference</b>	Mar 2019
<b>Internal medicine resident training on gender identity</b> , Panelist • <b>Yale-New Haven Hospital</b>	Dec 2018
<b>The role of the physician in caring for LGBTQ patients</b> , Panelist • <b>Yale School of Medicine</b>	2016
<b>Easy access to the Applications folder from a disk image</b> , Artin, B • <b>O'Reilly Mac Dev Center</b>	2005
<b>Signing prebound Executables on Mac OS X</b> , Jurišić, M • <b>MacHack conference proceedings</b>	2003
<b>Data sharing on Mac OS X</b> , Jurišić, M • <b>MacHack conference proceedings</b>	2001
<b>Hierarchical distributed repositories in CVS</b> , Jurišić, M • <b>MIT Master's Thesis</b>	2001
<b>Calling CFM shared Libraries from classic 68K code</b> , Jurišić, M • <b>MacTech™ Magazine</b>	1999

## SKILLS

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