

Brian Rogers | Curriculum Vitae

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Education

2018 | Allegheny College - Magna Cum Laude - B.S. in computer science, minor in economics

Publications

2017 - 2018 | **Rsyncmark** - a benchmark for *rsync*

- Researched the effects that various operating system kernels have on the performance of unix-based tool *rsync*
- Wrote a 40 page thesis to report my findings

Work Experience

2018 - present | **Software engineer at root9B**

- Wrote low-level data collection software for the HUNT platform Orion using C/C++
- Wrote a middleware agent deployment system using C#
- Created and deployed a fully featured AWS service to support other products using Clojure and Datomic Cloud
- Created a web-based UI for an ICS security tool using Typescript and Angular 8
- Used industry standard tools like the Atlassian suite, Jenkins, SonarQube

2018 - present | **Open source contributions to RuneLite**

- Learned and understood a foreign Java code base so as to contribute to it
- Created several PR's merged into the production code
- Maintained a personal fork and Discord server to document/distribute personal plugins

2015 - present | **Self employed iOS app developer**

- Self-taught Swift and utilized *SpriteKit*, *CloudKit*, *StoreKit*, *CoreMotion*, and *UIKit*
- Released two apps, *Fratty Bird* and *Posture Reminder*, which have accumulated over 16,000 downloads

Computer Skills

Languages

- TypeScript with Angular 8, C/C++, Clojure, C#, Java, Bash, Swift, L^AT_EX

Software tools

- Amazon Web Services (EC2, S3, API Gateway, Cognito), Datomic, Git, Visual Studio, Virtual Box, Jenkins, SonarQube, Atlassian, Xcode, Windows, Linux, macOS

Personal Experience

2019 - present | **JV and varsity lacrosse coach at Central Catholic High School**

- Develop and implement practice plans and the offensive strategy for the team
- Tailor my coaching techniques to best fit each player's skill level and mindset

2015 - 2018 | **President of Allegheny College Men's Lacrosse Club**

- Communicate with other club lacrosse presidents, referees, and school faculty to schedule and coordinate games
- Work with the club's executive board to ensure the success of the club
- Create and implement practice plans and game plans in place of a coach

2016 - 2018 | **Radio Host: Chill JamZ**

- Cohost weekly music and talkshow
- Draft weekly radio-show plans consisting talking points and music to bring humor and good tunes to my listeners