

Brian Rogers | Curriculum Vitae

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Education

2018 | **B.S. in Computer Science**, Minor in Economics, Allegheny College - Cumulative GPA: 3.80/4.00

2014-2016 | **Distinguished Alden Scholar**: Must achieve a GPA for the academic year of at least 3.80/4.00

Publications

2016 | **Fratty Bird - The Game**: Available on the App Store - *written in Swift*

- Single-handedly developed an original concept
- Self taught Xcode and Swift
- Utilized *SpriteKit*, *CloudKit*, *StoreKit*, *CoreMotion*, and *UIKit*

2016 | **Distributed Heuristic**: Available on GitHub - *written in Java*

- Worked in a four-person team to apply a recursive hill-climbing algorithm to the knapsack problem
- Responsible for the multicasting/unicasting code that outsourced the jobs and aggregated the results
- Made use of sockets to transfer data on the LAN

2015 | **3D Snowy Neighborhood**: Available on GitHub - *written in Processing*

- Created a walkable 3D snow-covered neighborhood
- Worked with moving objects in 3D environments and various lighting techniques

Computer Skills

| Languages

- **Java** (advanced, two years), **Swift** (advanced, one year), **SQL** (working proficiency, three months), **Processing** (working proficiency, six months) **LaTeX** (working proficiency, six months)

| Software

- Git, Xcode, Atom, Vim, Linux, MacOS

Personal Experience

2015 - present | **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
- Work as liaison between club and all other parties (faculty, student government, etc.)

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

- Cohost weekly music and talkshow with two friends
- Draft weekly radio-show plans consisting of music and talking points
- Responsible for curating radio-worthy content

2016 | **Study Abroad: Amsterdam, the Netherlands**

- Applied to and participated in semester-long study abroad program independent of Allegheny College
- Developed a working proficiency of Dutch through coursework and immersion
- Organized a self-guided nine-country study tour