

# DEVIN MCGLOIN

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## EDUCATION

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**New York University**  
BS Computer Science, Major GPA: 3.2

May 2017  
New York, NY

## TECHNICAL STRENGTHS *(In order of fluency)*

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<b>Languages</b>	Go, Python, C, Java, Latex, Racket, Haskell
<b>Protocols &amp; APIs</b>	HTTP, REST, SSH
<b>Tools</b>	Linux, Git, Vim, Maven
<b>Services</b>	AWS, Heroku, GitHub, Travis CI
<b>Databases</b>	MongoDB, MySQL, Redis

## PROJECTS

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<b>SprIOC</b> <i>sprIOC.xyz</i>	June 2016 - Present <i>API Design, Golang, Data Modeling</i>
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- Designed hypermedia API for image uploading, tagging and various other social graph operations.
- Implemented API spec from the ground up using Go, Mongo and Redis with an extensible permission model.
- Integrated with various computer vision and geolocation services in order make better use of photo metadata.
- Created query validation system for advanced searching with simple filters as well as complex geographic searches.

<b>Advent</b> <i>devinmcgloin.com/advent</i>	May 2015 - June 2016 <i>Webservices, HTTP, Cloud Computing</i>
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- Created Advent, a port of the classic terminal game Colossal Cave Adventure to Facebook Messenger.
- Developed a wrapper of the smooch.io messaging API and released it under the MIT License.

<b>AIR</b> <i>devinmcgloin.com/AIR</i>	November 2014 - December 2015 <i>Knowledge Representation, API design, Performance Profiling</i>
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- Designed AIR, a knowledge representation system that models actions and content in the world.
- Implemented a simple prototype of the system that handles plurality, ownership, inheritance and type classes.

## EXPERIENCE & AWARDS

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<b>Union Realtime</b> <i>Intern</i>	August 2016 - Dec 2016 New York, NY
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- Created means for inspecting the validity of individual datums across the entire database.
- Took ownership and refactored core code base for simpler extensibility and better error detection.
- Investigated and resolved data integrity errors, resulting in more accurate data for clients.

<b>Boy Scouts of America</b> <i>Eagle Scout</i>	October 2009 - May 2013 Redlands, CA
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- Organized and completed a service project consisting of over 600 volunteer hours and donations of \$4,000.

## INTERESTS

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Distributed Systems, Programming Languages, Backpacking, Photography