

# Douglas Rudolph

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## Experience **BuzzFeed - New York, NY | Infrastructure Engineer**

*Aug. 2017 - Present*

- Rewrote the article ranking algorithm for BuzzFeed's FaceBook page followers.
- Updated data pipeline in Python and Tornado to pull data from BuzzFeed FaceBook pages.
- Developed an asynchronous Python API for Google's BigQuery cloud services.

## **Epic Games - New York, NY | Unreal Engine - Open Source Developer**

*July 2017 - Present*

- Updated shader loading pipeline to load USF and USH shaders independently.
- Exporting Unreal Engine's in game chat-client API from C++ to C-Python.

## **BuzzFeed - New York, NY | Software Engineering Intern**

*June 2017 - Aug 2017*

- Codeveloped an API in Golang and MySQL that handled all network requests coming through to BuzzFeed's backend.
- Created a python service that caches the most viewed articles on *BuzzFeed.com*.
- Wrote bash scripts to install internal dev-tools for Ubuntu and Debian users.

## **Rutgers University - New Brunswick, NJ | Algorithms Research Assistant**

*May 2016 - May. 2017*

- Worked underneath Ph.D Dr. Bahman Kalantari as research assistant and developer for his *Polynomiography* algorithmic art research.
- Responsible for maintaining the *project codebase* and developing rendered code samples.
- Developed an algorithm to discover interesting polynomic-fractal sets
- Implemented a cache that prerendered similar fractal-sets to allow for an interactive UI.

## Education **Rutgers University - New Brunswick, NJ | Class of 2017**

- Bachelors Degree in Computer Science

## Skills **Languages:** Python, C++, Java, C#, Golang, C, GLSL, MySQL

**Frameworks:** Vulkan, OpenGL, Tornado, Flask, LINQ

## Accomplishments **HackNY Fellow - June 2017**

- 29 students chosen for an intensive technical program run by Columbia & NYU. Attended talks 2+ times a week by VC's/CEO's/founders/technologists.

## **Minecraft Hunger Games MOD- May 2014**

- Codeveloped the original Hunger Games Minecraft MOD. Was most played Minecraft MOD for 2+ years on *minecraft-mp.com/* with a consistent 6,000+ players.