

Douglas Rudolph

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

- Bachelor's Degree in Computer Science

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

Aug. 2017 - Present

- Rewrote parts to the article ranking algorithm for BuzzFeed's website homepage.
- 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 generating *rendered outputs*.
- Developed an algorithm to discover interesting polynomic-fractal sets
- Implemented a cache that prerendered similar fractal-sets to allow for an interactive UI.

Accomplishments **HackNY Fellow - June 2017**

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

Minecraft Hunger Games MOD- May 2014

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

Skills **Languages:** Python, C++, Java, C#, Golang, C, MySQL, HTML/CSS, JavaScript, TypeScript

Frameworks/Tools: Vulkan, OpenGL, Tornado, Flask, LINQ, Git, Bash, Unix, Vim