

# Jeffrey Fabian

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## Education

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### Columbia University

New York, NY

B.A. IN COMPUTER SCIENCE, MINORING IN PSYCHOLOGY

Expected May 2019

*Relevant Coursework:* Advanced Programming, Artificial Intelligence, Introduction to Cryptography, Analysis of Algorithms (Fall 2018)

*Awards:* Palantir Future Scholar (2018), Code2040 Fellow (2018), Dean's List (2016), QuestBridge National College Match Scholar (2015), QuestBridge College Prep Scholar (2015), NYC Bar Thurgood Marshall Scholar (2014)

## Experience

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### Autodesk

San Francisco, CA

SOFTWARE ENGINEERING INTERN, CLOUD PLATFORM

June 2018 - August 2018

- Collaborated with the CloudOS team that sought to build an end-to-end ecosystem for container-deployed applications and provide support for over 120 Autodesk engineers
- Integrated Amazon Web Services (AWS) Fargate into the CloudOS pipeline using Java, Amazon Elastic Container Service (ECS) and Terraform — streamlining cluster management and maximizing service uptime

### Entrepreneurs Roundtable Accelerator

New York, NY

SOFTWARE ENGINEERING INTERN, CONVESSA (ERA 13)

June 2017 - August 2017

- Led the initiative to integrate Amazon Payments by creating a servlet system in Java and JavaScript — immediately cutting payment processing costs by over 25%
- Implemented an internal tool for automatically creating and updating thousands of email marketing contacts using the Mailjet API
- Evaluated mobile app behavior data in Google Analytics for 50,000+ users to characterize daily active users and analyze user drop-off rates

## Personal Projects

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### Blockchain Data Structure

JAVA, BITCOIN, BOUNCYCASTLE

- With my growing interest in the cryptocurrency space, I decided to take it upon myself to understand the inner workings of a blockchain and build a simplified blockchain data structure that utilizes the proof-of-work (PoW) system

### Netcat

JAVA, THREADS, APACHE COMMONS CLI

- Having been introduced to socket programming in one of my courses, I decided to reverse-engineer Netcat, the command-line TCP networking utility, and learn more about concurrent programming and communication protocols

## Skills

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**Programming Languages** Java, HTML, CSS, JavaScript, C

**Amazon Web Services** Elastic Container Service (ECS), Elastic Compute Cloud (EC2), Fargate

**Spoken Languages** English (Native), Spanish (Native)

**Other** Docker, Terraform, Lombok, Jackson