

# Siddhartha Bose

Product Focused, Technology Driven

## EXPERIENCE

### **Singapore Armed Forces — Corporal, Software Engineer and Weapons Technician**

Apr 2020 - PRESENT

- Pioneered digitalization of Operator Detected Defect (ODD) feedback procedures using Python and Heroku, thus avoiding over 100 potentially lethal incidents in 3 months since deployment and reducing repair times by over 50%
- Developed AED locator bot using Python and Telegram APIs to ensure technicians in the field are given directions to the nearest AED in case of emergency
- Liaised with superior officers across battalions to develop novel Standard Operating Procedures to ensure higher safety standards
- Launched “Introduction to Python” course to provide a foundation for the SAF’s innovation initiative
- Led team of 7 soldiers in the maintenance of 19 FH2000 Howitzers for the 21st Singapore Artillery Battalion

### **Darktrace, Los Angeles — Sales Engineer**

Nov 2019 - Mar 2020

- Spearheaded Proof of Value trials for network layer Cyber-Security platform across industry verticals
- Triaged threats ranging from man-in-the-middle attacks to phishing and even ransomware
- Managed portfolio of over 20 post-sales accounts giving insight into clients’ cyber-footprint

### **Standard Chartered Bank, Singapore — Operations Strategy Intern**

Jul 2016 - Sep 2016

- Leveraged Tableau and Excel to synthesize bank’s labor distribution to bring context to digitization initiative
- Conducted quantitative analysis of headcount deployments, staff activity and volume and cost dynamics to develop business strategy for back-office operations

## PROJECTS

### **PigZ — Project Manager, Software Engineer**

April 2019 - June 2019

- Managed Agile workflow environment and delegated tasks and roles for the entirety of the project using Trello
- Implemented GNU-friendly end to end option handling using C++ and created documentation and man-pages

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Portfolio: [github.com/siddbose97](https://github.com/siddbose97)

Website: [www.siddbose97.github.io](http://www.siddbose97.github.io)

## EDUCATION

### **University of California, Los Angeles (UCLA)**

B.S. Computer Science (3.60)

B.A. Economics (3.51)

Sep 2015 - Sep 2019

Specializations in AI/ML, Networks,  
Data Mining and Tech  
Management

Economics concentration in Game  
Theory, Econometrics, and Finance

## TECHNICAL SKILLS

### **Programming Languages:**

**Advanced:** Python, C++

**Proficient:** C, Java, Lisp

**Familiar With:** HTML/CSS, Node.js

**Technologies:** AWS, Heroku,  
MongoDB, Docker

**Data Analysis:** R, SQL, Microsoft  
Excel, Jupyter Notebook

## AWARDS

**Best Trainee Award** at Ordnance  
Engineering Technical Institute

**Outstanding Soldier** at 6th Army  
Maintenance Battalion November  
2021

## LANGUAGES

**Fluent:** English, Bengali, Hindi

**Conversational:** French