

Stephen Mylabathula

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GRADUATION

UNIVERSITY OF MINNESOTA

BSc IN COMPUTER ENGINEERING

Cum. GPA: 3.78/4.00

LINKS

Portfolio:// [StephenMylabathula](#)

Github:// [stephenmylabathula](#)

LinkedIn:// [mylabathula](#)

DevPost:// [StephenMylabathula](#)

COURSEWORK

COMPUTER SCIENCE

Sensing and Estimation in Robotics

Intelligent Robotic Systems

3D Computer Vision

Artificial Intelligence

ELECTRICAL ENGINEERING

Digital Design

Signals & Systems

Honors Microcontrollers

BUSINESS

Intro to Entrepreneurship

Leading Breakthrough Tech Innovation

Contracts and Agency Law

Finance Fundamentals

SKILLS

SOFTWARE

Languages

Python • MATLAB • C# • C++

SQL • Java

Frameworks

OpenCV • Tensorflow • Scikit-learn •

ROS

AWARDS

Societies

Tau Beta Pi

Hackathons

PennApps • HackMIT (Top 10 Project)

EXPERIENCE

FACEBOOK | CORE TECH SOFTWARE ENGINEER, OCULUS

May 2018 (Full-time Aug. 2019) – Present | Menlo Park, CA

- Develop depth sensing and computer vision technologies for mixed reality (MR) experiences in VR.
- Design and implement Facebook-scale data pipelines to train deep-learning models (stereo depth, GANs, YOLO) for AR/VR/MR use cases.
- Coordinate with teams across Zurich and Tel Aviv to design next-generation synthetic data pipelines.

GOOGLE | VISUAL INERTIAL SYSTEMS RESEARCHER (VIA ADECCO)

May 2017 – Aug 2017 | Mountain View, CA

- Extended WorldSense/VPS in ARCore by developing a cross-platform mobile communication system to enable cooperative mapping and localization.
- Developed deep learning models (CNN, LSTM, Encoder/Decoder) in Tensorflow for a classified computer vision project.

BLUE CROSS BLUE SHIELD | IT INTERN

May 2016 – Aug 2016 | Eagan, MN

- Developed a healthcare focused chatbot with C#, Microsoft Bot Framework, and independent microservices developed in Node.js.
- This work led to the development of an AWS Lex Bot for a fully automated internal service desk solution.

FONDAZIONE BRUNO KESSLER | VISITING RESEARCH FELLOW

June 2015 – July 2015 | Trento, Italy

- Led the backend and software architecture teams in developing a bioinformatics web platform for sensor analytics using Django and Scikit-learn.
- Presented the keynote speech to our sponsors and the general public unveiling our final product.

TKDA | IT INTERN

May 2015 – Sep 2015 | St. Paul, MN

- Designed and developed three financial, executive reports for our CFO using Microsoft SQL Server reducing report generation time by 24,000%.
- Implemented an automated report scheduling and distribution service.

RESEARCH

CHOICE LAB | UNDERGRADUATE RESEARCHER

April 2018 – Present | Minneapolis, MN

Researching human-robot collaboration using deep learning, symmetric activity mirroring, and sensor-fusion with Dr. Changhyun Choi.

MARS ROBOTICS LAB | UNDERGRADUATE RESEARCHER

Sep 2016 – Mar 2017 | Minneapolis, MN

Worked with Dr. Stergios Roumeliotis to develop a markerless, body mounted augmented reality interface using an RGBD camera and pico-projector.

NETWORK AND SECURITY LAB | UNDERGRADUATE RESEARCHER

Oct 2015 – May 2016 | Minneapolis, MN

Worked with Dr. Nick Hopper and Dr. Max Schuchard to analyze the effectiveness of Bitcoin tumbler services in preserving user anonymity.