**William Sentosatio** <https://github.com/povertycycle>

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**EDUCATION**

**Bachelor of Science, Computer Science** December 2019

*University of Maryland, College Park*

* Minor in Mathematics.
* Related Coursework: Object-Oriented Programming, Computer Vision, Introduction to Artificial Intelligence, Data Structure, Programming Language Technologies and Paradigms, Programming Handheld System

**SKILLS**

* Programming Languages: JavaScript, ReactJS, Python, Java, GoLang, MySQL, Ruby, OCaml, C, Hadoop, C#
* Operating Systems: UNIX, Windows, Ubuntu, and Linux.
* Others: Git, Scalyr, Datadog, NewRelic.

**WORK EXPERIENCE**

**Tokopedia** January 2021 – June 2022

*Software Engineer – Team Enterprise People, Team Enterprise Finance*

* Develops databases, RESTful API endpoints, and Unit Testing for new features in development, staging, and production environment.
* Works closely with teams of FrontEnd Engineer and Product Manager to deliver new features and improve upon existing ones for an internally-used app.
* Monitors system's stability and health through alert and logging, and responds appropriately to errors and bugs.

**Autonomy Robotics Cognition Lab** May 2019 – Jan 2022

*Research Assistant, under Yiannis Aloimonos, Supervisor Snehesh Shrestha*

*University of Maryland, College Park*

* Researched, designed, and developed Machine Learning Data Video Visualizer and Editor for HRI and Interactive Perception research needs: backend server (Python, Flask) and frontend client side (ReactJS, Javascript)
* Developed Visualizer (named FEVA) to take post-processed rosbag data in JSON and MP4 format to load and display editable data files, using custom made libraries and functions.

**Traits A.I.** September 2018 – May 2019

*Artificial Intelligence Intern*

**Office of Multi-ethnic Student Education (OMSE) @ UMD** September 2018 – December 2019

*Tutor for Math and Computer Science*

**RELATED PROJECTS**

**“MeeshQuest” Data Structure** August 2018 – December 2018

* Implemented AvlGTree based on AvlTree, TreeMap, and HashMap interconnected in spatial maps.

**Bilateral Filter, Canny Edge Detector, Perceptron, Dynamic Stereo Matching, etc** August 2018 – December 2018

* Implemented pictures softener, background cropper, pedestrian-presence tracker, and stereo images matcher.

**HONORS**

Ministry of Education Singapore-based scholarship

*Catholic Junior College, Singapore* January 2013 – December 2014

*Saint Joseph’s Institution, Singapore* January 2011 – December 2012

* 4-year program of scholarship in Singapore for secondary school and junior college.