

JUAN SERGIO BUENVIAJE

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EDUCATION

University of Notre Dame • 3.51/4.00 GPA

May 2022

South Bend, IN

- Pursuing BS in Computer Science, Minor in Innovation & Entrepreneurship
- **Relevant Coursework:** Fundamentals of Computing, Discrete Mathematics

Philippine Science High School - Main Campus • 3.84/4.00 GPA

Jun 2018

Manila, Philippines

- Class Rank: 28/221 | Dean's List | Graduated Magna Cum Laude
- 2018 Philippine Government DOST-SEI Merit Scholarship Awardee
- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Client-Side Web Development, Embedded Systems & Program Design, STEM Research

WORK EXPERIENCE

Software Engineering Intern • CBS Corporation

Summer 2019

New York, NY

- Standardized end-to-end broadcast distribution configurations for entire East Coast feed
- Completed 27 purchase requests from international TV stations amounting to \$132,930 in profit
- Assisted with basic maintenance of cloud-based content storage and manipulation
- **Technologies:** SQL (SQL Server), XML, C++, AWS (S3, Lambda, CloudWatch), AutoCAD

Software Engineer • DeLive Aerial Systems (deliveaerial.com)

Oct 2019 – Present

South Bend, IN

- Will develop front end of web app for drone service and structure database architecture
- Will assist in further developing drone system for FAA approval and exhibit in CES 2020
- **Technologies:** React (Redux), AWS (DynamoDB, IoT, IAM), Raspberry Pi

Software Engineer • Tembo AI (tembo.tech)

Jan 2019 –

Present

South Bend, IN

- Will develop full stack web app for administration use in alpha testing
- Solely developed iOS/Android apps for user tracking and messaging using partner company SDK
- Solely developed and demoed MVP (Indoor Mobile Location Tracker) resulting in \$11.5k funding
- **Technologies:** React (Redux), Python (Django), DART (Flutter), Firebase, Raspberry Pi, Kali Linux

Software Engineer • Gāshawk Incorporated (gāshawk.com)

Jan 2019 – Present

South Bend, IN

- Will solely integrate video camera + display module, and continue real-world testing of system
- Solely developed and demoed MVP (Touchscreen GUI + LiDAR Overhead Collision Detection) resulting in Start-Up South Bend Elkhart (SUSBE) accelerator program invitation
- **Technologies:** C++, Arduino

Software Engineer • ShareCaddie

Jan – Aug 2019

South Bend, IN

- Solely developed and demoed MVP (Peer-to-Peer Golf Equipment Rental iOS/Android Apps) resulting in Semifinals finish (top 30/175 teams) in McCloskey New Venture Competition 2019
- **Technologies:** DART (Flutter), Firebase, HTML, CSS, JavaScript (jQuery)

Technology Track Head • YouthHack (youthhack.net)

Mar 2017 – Jul 2018

Manila, Philippines

- Organized national hackathon, international summit attended by 5 countries and 10-week startup incubator program for 9 collegiate student-run startups
- Created and taught 4-hr workshops for web dev for collegiate students and professionals
- **Technologies:** HTML, CSS, JavaScript (jQuery)

TECHNICAL SKILLS

Programming & Related

- **General:** JavaScript, C++, Python, Java
- **Web:** React (Redux), Node (Express), Django, jQuery, XML, HTML, CSS (SCSS, Bootstrap)
- **Mobile:** DART (Flutter, Provider)
- **Embedded:** Arduino, Raspberry Pi, Kali Linux
- **Databases & Deployment:** SQL (Postgres, SQL Server, SQLite), AWS (S3, DynamoDB, Lambda, IoT, CloudWatch, IAM), Firebase

- **Research:** MATLAB

Design & Related

- **3D Modeling:** AutoCAD, Fusion 360, SOLIDWORKS
- **Circuit Fabrication:** Fritzing, Eagle
- **Digital Media:** Spark

Languages

- English, Filipino, Waray (Filipino Regional Dialect)