

# JUAN SERGIO BUENVIAJE

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## EDUCATION

### University of Notre Dame • 3.51/4.00 GPA

- Pursuing BS in Computer Science, Concentration in Mobile Computing
- Pursuing Minor in Innovation & Entrepreneurship

May 2022

South Bend, IN

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

- Class Rank: 28/221 | Dean's List | Graduated Magna Cum Laude
- 2018 Philippine Government DOST-SEI Merit Scholarship Awardee

Jun 2018

Manila, Philippines

## WORK EXPERIENCE

### Software Engineering Intern • CBS Corporation

- 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, Java, AWS (S3, Lambda, CloudWatch)

Summer 2019

New York, NY

### Software Engineer • DeLive Aerial Systems (deliveaerial.com)

- 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), Raspberry Pi

Oct 2019 – Present

South Bend, IN

### Software Engineer • Tembo AI (tembo.tech)

- 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

Jan 2019 – Present

South Bend, IN

### Software Engineer • Gāshawk Incorporated (gāshawk.com)

- 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
- Assisted in National Seed Fund (NSF) Small Business Innovation Research (SBIR) Program entry
- **Technologies:** C++, Arduino

Jan 2019 – Present

South Bend, IN

### Software Engineer • ShareCaddie

- 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)

Jan – Aug 2019

South Bend, IN

### Technology Track Head • YouthHack (youthhack.net)

- 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)

Mar 2017 – Jul 2018

Manila, Philippines

## TECHNOLOGIES

### 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