Oliver Cho

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**EDUCATION**

University of Richmond, Richmond, VA May 2019

Bachelor of Science, Major: Computer Science, Minor: Mathematics

**TECHNICAL SKILLS**

* Programming Languages: Java, C#, C++, Visual Basic, HTML5, CSS, R, Python, SQL, Batch
* Software Tools: Visual Studio, Github, Tableau, Unity, Blender, Microsoft Office, Linux, PowerShell

**TECHNICAL EXPERIENCE**

Applied Materials, Santa Clara, CA May 2019-Current

**Application Engineer, Applied Global Services**

* Designed and developed standard hardware and software architecture for connection between IOT devices and analytics server for digital transformation
* Implemented standard software driver to interface all analog and digital connection sensors to tool server reducing integration development time from 1 month to 1 week
* Tested and deployed IOT software and hardware at customer sites around the world: Korea, Singapore, China, Japan, Germany
* Continuously support field users of IOT software with patches for newly requested features
* Coordinated multiple sensor projects and provided monthly updates and engineering reviews for stakeholders
* Proposed smart manufacturing and future sensor strategy/roadmap to executive team

Applied Materials, Santa Clara, CA May 2018-August 2018

**Software Engineering Intern, Applied Materials Display**

* Automated installation and warranty report analysis by creating data merging software and GUI between SAP, and Business Objects. This improved analysis time from 6 hours to 5 minutes
* Designed Tableau dashboards to properly represent installation and warranty data in a user-friendly format
* Assisted in creating VR replication of tool preventative maintenance procedures using Unity and C#
* Created text to mp3 GUI for VR audio using AW Polly improving text to speech process from 2 hours to 10 minutes

Applied Materials, Santa Clara, CA May 2017-August 2017

**Software Engineering Intern, Applied Global Services**

1. Created critical taxonomy to index and upload as fields for AI programs to scan
2. Created searching algorithms for key words and interpretations for customer inputs decreasing the teams ticket response time from 2 days to 1 day.
3. Pre-sorted input data, and uploaded data to verify for consistency test
4. Improved data preparation and upload rate from 1 week to 1 day

SpiderHacks Hackathon, Richmond, VA March 5th, 2018

**2nd Place out of 15 teams**

* Worked with team 2 members to create a HTML5 website called URWEB to help students prepare for classes together
* Connected the website to MySQL database using PHP

activities

Palo Alto Hills Golf and Country Club, Palo Alto, CA May-August 2016/2017

**Front Desk Associate**

* Worked with a team of 3 to create a better environment with members by constant communicating new ideas to improve the club’s services and atmosphere

Languages

* English (Fluent), Mandarin (Proficient in Speaking), Spanish (Intermediate), Portuguese (Beginner)