KALLI BONIN

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SUMMARY

Enthusiastic about working collaboratively with teams to deliver clear, concise and actionable information on product deliverables. Developed project management skills to create a driving force with team goals and achievements. Persistent to overcome project obstacles with creative thinking and team synergies. Courage to make issues transparent and hold intensity to push through to completion.

SKILLS

Customer Obsession	Human-Robot Interaction	Qualitative Data Analysis
Computer vision	Solidworks – AutoCAD – Inventor	Project Management
C++ / C / C# / Python / Matlab	Design Robot Behaviors	Self Motivated
Problem Solving – Debugging	Teamwork – Collaborative	Detailed Documentation
Passionate / Dedicated / Detail-Oriented	Robotics – Programming – Autonomous	Reader – Writer

EDUCATION

University of Waterloo, Waterloo, ON   2017 – 2022
Bachelor of Applied Science BASc - Mechatronics Engineering

Coursera – Andrew Ng – Stanford University - Machine Learning - License NQG4F42PBHBH   2018

WORK EXPERIENCE

Matician, Palo Alto, CA   05/19 – 08/19 & 01/20 – 04/20
Startup owned and directed by Navneet Dalal and Mehul Nariyawala developers of Flutter and other successful startups. Now advancing their success and building robots that save people time and energy through computer vision and autonomous machines.
Product Management Intern II (01/20 – 04/20)
- Established expertise on consumer needs through demographics, human-robot interactions (HRI), and users' expectations
- Performing competitive analysis through user research and data analysis
- Outlining the user journey from unboxing product to first week of product usage
- Ability to drive teams of cross-functional backgrounds on timelines through presentations and data
- Clearly articulate a path forward even in ambiguous situations utilizing both technical and mechanical constraints

Product Management Intern (05/19 – 08/19)
- Creating press releases and marketing documents to strategically gauge product decisions
- Research product differences, opinions, solutions and possible enhancements of product design
- Proven track record in supporting the planning and build of products and new features
- Knack for gleaning customer insights both from qualitative discussions and quantitative data
- Synthesis of programming and mechanics to fully integrate product design

Shoplogix - Division of Canada's largest and most successful tech company   09/18 – 12/18
Company combines powerful analytics and intuitive visual reporting to transform the way you see, analyze, and interpret data.
Application Engineer
- Understanding client usage to develop sophisticated software tests to increase efficiency and screen for errors
- Predicting customer needs to create scripts to debug a problem 25% faster
- Created VBA scripts to alter display information to cater to customer needs
- Develop Python script to scrape XML data from the company database increasing efficiency by 65%
- Closely assisted in managing key account, driving the success of their Smart Factory

Evertz Microsystems, Burlington, ON   01/18 – 04/18
A worldwide leader in the design and manufacture of broadcast, film production equipment for the film and television broadcast industry.
Hardware Design Engineer
- Programmed FPGAs using VHDL || Created test procedure for prototype boards
- Completed engineering change orders – daily documentation || PCB Design, prototyping, and debugging

E-bots Robotics, Oakville, ON   2012 – 2017
Enhanced learning facility dedicated to engaging children in the world of programming, designing and building robots.
Programming / Project Design Instructor
- NXT-G programming || Critical thinking and project design || Teaching students ages 7 to 14 years

Stand Up and Speak, Mississauga, ON   2013 – 2017
Specializes in teaching effective communication skills to students of all ages across North America.
Public Speaking Instructor
- Taught interactive speaking curriculum || Teaching students ages 6 to 16 years
- Prepared and enhanced speeches with body language, vocal variety and messages

PROJECTS and ACCOMPLISHMENTS

UW Robotics Team   2019 – 2020
- As product management lead, organized 6 sub teams comparing technical versus mechanical scenarios
- Set deadlines, understood dependent task timelines and roadblock to predict and plan to stay on schedule
- Created Gantt charts to organize tasks and timeliness

UW React   2018 - 2019
- Create in 6 months the best fully autonomous FRC robot against teleoperated robots in a match
- Mechanical Lead working with a group of motivated students to design and manufacture an industrial sized robot
- Member of the Path Planning Team applying fundamental knowledge of machine learning in a real-life application

WATonomous AutoDrive Team   2017 - 2018
- UWaterloo student design team for self driving cars
- Part of a student led team to create a fully autonomous robot in 3 years
- Job was to understand the physics behind a moving car and how its surroundings affected its movement
- SAE Autodrive Challenge

Captain and Lead Builder – Team 5225A – The Pilons   2011 – 2017
- FLL Lego League (2011 – 2014) and VEX Robotics (2013 - 2017) - World / Provincial / Regional Winner
- Autonomous and teleoperated robotics included design, build and program one robot with different challenges yearly
- 2011 – 2017 won in Top 10 every year at World Competition

Public Speaking Maven   2005 – 2017
- Performed both memorized and impromptu speeches || Provincial / Regional placements every year

Black Belt Shotokan Karate Sensei   2003 – 2017
- Blackbelt Shotokan Karate 2011 || Green Belt Brazilian Jiu Jitsu || 2015 - Instructor of Shotokan