Zachary Gen Yamaoka

Canadian, Designer, Engineer

Portfolio
zacharyyamaoka.com

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Education

Design Engineering, BEng Dyson School of Design Engineering, Dean's List, Imperial College London, UK

2016 - 2019

Experience

Design Engineer, Automata, 2019 - Current

- Developed glueing tool path generator for robotic arm
- Working crossing functionally across sales and engineering

Head of Talks, Imperial Entrepreneurs Society, 2018 - 2019

- Organised and hosted talks by founders/CEOs/leaders from Automata, Ap-Tap, Maluuba, Rude Health, Amazon Robotics
- Lead organiser of Start-up Career Fair 2019 (45 startups, 500 students in attendance) and facilitator at Future Frontier Conference (largest student-run entrepreneur conference in the UK)

Software Engineer, Audi Autonomous Driving Cup, 2018

- One of ten selected universities teams from around Europe
- Implemented UKF and EKF localisation algorithms, A* path planner and occupancy mapping
- Team Lead

Software Engineer, Woke Design Studio, 2017 - 2018

- Created a virtual grocery store for elderly shoppers.
- Implemented a shopping cart inventory system and 3D checkout menu
- Led user interviews with seniors and implemented feedback

Line Cook, Milestones, 2016

Professional Skills

Programming fluency: Python, C++, C#

Design software*:* Illustrator, Photoshop, InDesign, Sketch, Keynote, Pages, Sketchbook Pro

Engineering Software: Solidworks, Fusion 360, CES Edu pack, Matlab, Unity, Arduino

Completed online courses: 18.06 Linear Algebra - MIT, CS188 AI - Berkley, Intro. to Mobile Robotics - Freiburg, CS231n Computer Vision - Stanford

Achievements

Best Fusion 360 CAD, Dyson Makeathon, 2019

Top Impromptu Speaker, Imperial College Toastmasters, 2018

Best Overall Project, Founders Factory FoodHack, 2018

Best Design, Microsoft 3Hack, 2017

Division Finalists, Vex Robotics World Championships, 2016

Languages: English (Native), Spanish (Conversational)

Hobbies: Long distance running, Cooking food, Reading (autobiographies, design, strategy, psychology)