FRANK JIA

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I create value by combining technical expertise with business intellect.

Education

University of British Columbia   Expected Completion: May 2021
Bachelor of Applied Science, 3rd Year Engineering Physics   *Current Average: 93%*
Science One Program (Interdisciplinary First-Year Sciences)

Harvard University   June 2014 – August 2014
Harvard Summer School in Neurobiology and Psychology   *Final Average: A*

Skills

Backend	Frontend
▪ 2 Years of Experience with Java & Python ▪ Experience with Git, Spring/Guice, Google Cloud Services, and HTTP protocols ▪ Basic knowledge of SQL, ML, and web crawling	▪ Website development with HTML/CSS ▪ Experience with UI/UX design with Photoshop ▪ Understanding of XML and JSON for data transmission and UI design

Robotics	Miscellaneous
▪ Some experience with Arduino development ▪ Experience with autonomous robot software ▪ Knowledge of mechanical – electrical – software interfacing within robotic applications	▪ Proficiency in IntelliJ IDEA, VS Code, Android Studio, XCode, and Postman ▪ Experience in Android/iOS app design and development ▪ Accustomed to OSX and Windows platforms

Experience

Junior Co-Op Software Engineer   January 2018 – April 2018
Grow Technologies, an enterprise Fintech start-up in digital banking

- Developed, debugged, and tested enterprise-grade software in Java and Python to combat fraud and to optimize end-user interaction
- Responsible for creation of ID verification functionality for Canadian financial institutions
- Used tools (Spring, Maven, Google Cloud Services, and external API's) to create and debug features
- Participated in scrums and helped plan engineering sprints in 2 week intervals

Owner & Operator   January 2016 – January 2018
3DWorkbench.co, an eCommerce retailer that specializes in 3D printers and accessories

- Responsible for all business functions, including but not limited to B2B communications, logistics, accounting, and front-end website development
- Over CDN$300,000 in total sales

Business Development & B2B Sales   April 2017 - September 2017
ShopandShout, a SaaS platform that automates social media and influencer marketing
- Identified and approached 300+ brands, helping to double the number of active customers
- Secured funding and conducted other business-related tasks, such as facilitating co-op hiring

Donor Care Volunteer   October 2013 - Present
Canadian Blood Services, a national network of blood donor clinics
- Ensure donor satisfaction and safety by providing post-donation support (up to 8 donors at a time)

Mobile Game Publishing Intern   June 2016 - November 2016
V2 Games, a Vancouver-based mobile game developer and publisher
- Independently implemented a complete application publishing pipeline for iOS and android platforms
- Collaborated with other team members to publish "Fantasy Football Coach" on iOS and Google Play

Technical Projects

Betterplate – Healthy Eating App
- Designed and created an Android & iOS application that makes it easy for anyone to eat healthy while dining out: http://betterplate.app/
- Built Python-based web crawlers to scrape nutritional information (stored in a SQLite database)

Engineering Physics Summer Robotics Project
- Responsible for mechanical design of the entire robot in a cloud-based CAD program (OnShape)
- Contributed to automation software design and implementation (Arduino)
- Prototyped (using 3D printers, laser cutters, waterjet cutters and hand/power tools) robot designs and constructed the final robot. Details: https://davidberard98.github.io/enph253robot/
- Our robot was the top scorer in initial heat competitions and placed 3rd overall in elimination rounds

Various Back-End Development Projects
- Used Python and Java to create software that conducts technical analysis and machine learning to identify stocks and cryptocurrency likely to appreciate in value
- Data visualization & modelling with Python to analyze and compute data related to theoretical physics (charge distributions, magnetic fields) and experimental biology (mRNA gradients in bacteria)

Various Front-End Development Projects
- Designed and built websites for various side projects (Koinscore.com, BullCryp.com) using HTML, CSS, and Javascript
- Designed user workflows and website mockups using Adobe Photoshop

Soccer Playing Robots
E.A.S.T. Robocup 2014, SagerSoccer
- Cooperated with team members to build (using plug-n-play parts and sensors) and program (using a graphical "logic" interface) soccer-playing robots
- SagerSoccer placed first nationally and second internationally

Interests and Hobbies
I engage in weightlifting, boxing, swimming, and skiing to maintain a healthy and active lifestyle. I am a car enthusiast with some autocross (motorsport) experience. I'm also an avid value investor, always tuned to the latest financial news.