

Shanloong 'Drake' Kho

5795 Yonge St, Apt# 1003 ♦ Toronto, ON, M2M 4J3
1 - (416) - 457 - 3318 ♦ Drake.Kho.C@gmail.com

PROFESSIONAL PROFILE

Technically skilled, result-oriented and resourceful individual eager to apply practical knowledge and experience to solving multifaceted problems; working to improve efficiency, quality and service; and working to bring projects from conception through to production and service. Strong project management and communication skills, suited to working either alone and cooperatively in a fast-paced multi-disciplinary business environment.

EDUCATION

Graduate Certificate – Seneca College, Toronto, ON

Professional Accounting Practice

Masters of Engineering – University of Toronto, Toronto, ON

Aerospace Science and Engineering

Bachelors of Engineering – Ryerson University, Toronto, ON

Management Science and Engineering

EMPLOYMENT EXPERIENCE

Renovations Simplified. – Toronto, ON

July 2015 – Present

Project Manager

- Management of the delivery of multiple cross-functional projects with responsibilities for statements of work; budget and expenditures; project scheduling, planning and milestones; subcontractors; and customer acceptance.
- Generate and review project transaction documents, reports, proposals and accounts for accuracy and completeness; including budget and job costing; expenses and costs analysis; budget management; and subcontractor invoices; etc.
- Develop, manage, and maintain all aspects of project-level risks, costs, and opportunities; identify, mitigate and solve project issues to meet productivity, quality, and customer satisfaction goals.
- Client relationship cultivation and coordination between various stakeholders through logical and systematic conversion of project or product requirements into acknowledged technical, schedule, quality and cost constraints; regular interactions and updates, and development of technical documentation.

Bombardier Inc. – Toronto, ON

May 2014 – July 2015

Engineering Intern – Product Development and Core Technical Engineering

- Collaborate with cross-functional teams to provide simulations, stability & controls testing & verification
- Developed, investigated, validated, modified and documented dynamics and systems simulation models
- Designed and implemented an extensive simulation based testing and evaluation to determine the aircraft maneuverability, handling quality and flight performance, in accordance with airworthiness regulations
- Conducted stability & controls, control surface deflection, failure and flight analysis
- Supported wind tunnel & flight test activities, including verification, performance and data analysis
- Improved efficiency, updated and validated simulation model in preparation for flight testing

Beverly Real Estate and Property Management Inc. – Newmarket, ON

Jan 2013 – May 2014

Advertising & Marketing Representative

- Generated comprehensive advertising plans that included print, digital, mobile and niche media
- Managed and evaluated projects to resolve any quality, delivery or communication issues
- Coordinated and maintained company's products, marketing programs, promotions and media plans
- Facilitated customer requirements throughout their term
- Formulate and revise company and product overviews for employees, clients, and customers

Beverly Real Estate and Property Management Inc. – Newmarket, ON

Aug 2006 – Sept 2011

Data Entry and Computer Technician

- Troubleshoot technical issues in person, on the phone and through e-mail
- Diagnosed, installed, configured and repaired computers systems and software
- Consistently maintained and updated database, social network, web presence and records

PROFILE OF SKILLS

- Simulation Modeling & Programming
- Strong Research and Analytical Skills
- Conception & Prototyping
- Strong Problem-Solving Skills
- Multi-lingual in English, Mandarin, & Teochew. Basic Cantonese & French
- Project Management & Development
- Systems Evaluation & Analysis
- Systems Design and Integration
- Strong Technical Skills
- Operations Monitoring
- Time Management

COMPUTER SKILLS

- Technical proficiency in MATLAB and Simulink, and CATIA V5
- Basic/Intermediate ability in BASIC, C++, C, Java, Visual Basic, HTML, AutoCAD, and ANSYS
- Extensive experience with MS Office Application; Project, Access, Excel, Word, and PowerPoint

SELECT PROJECTS

Global 7000/8000 – Simulations, Stability and Controls – Toronto, ON May 2014 – July 2015

- Utilized MATLAB and Simulink to ensure controllability and stability of aircraft
- Analyzed wind tunnel test results and comparison to theoretical performance.
- Programmed and setup desktop simulator, Mini-REFS (Reconfigurable Engineering Flight Simulator), and Full REFS in preparation for testing/simulation conditions.
- Investigated, interpreted, and reported simulation and wind tunnel results.
- Preparation for first flight by improving efficiency and removal of redundancy in Simulink model.

Simulated Model of a Human Sensory Systems Sept 2011 – Dec 2011

- Determine how the Human Sensory System is utilized during flight operations, and how each individual sensory input affects the pilots ability during flight
- Employed MATLAB to generate and program a simulation model of the Human Sensory Systems
- Utilization of a flight simulator to collect experimental data and test the model

Auto-Pilot Flight Control Simulation and Programming Sept 2011 – Dec 2011

- Using MATLAB and Simulink; program, design and test an auto-pilot control sequence for uses while undergoing severe turbulence

Martian Lander Design, Manufacture, Program and Operation (Fully Functional) Jan 2010 – April 2010

- Conceptualize and design the lander, subject to structural, operational & payload mission requirements
- Drafting/Design of components using CATIA V5, and fabricated/manufactured using a CNC machine
- Design, testing and operations of self-righting mechanism for Martian lander
- Using BASIC, program the operation code and procedure for lander operations
- Operational testing and execution of final fully functional Martian lander.

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Member, Canadian Aeronautics and Space Institute 2010 – Present
 - Vice President of Ryerson Student Union 2007 – 2010
 - Executive, Ryerson Robotics Club 2008 – 2010
 - Member, Ryerson Rocketry Club 2008 – 2010
-
-