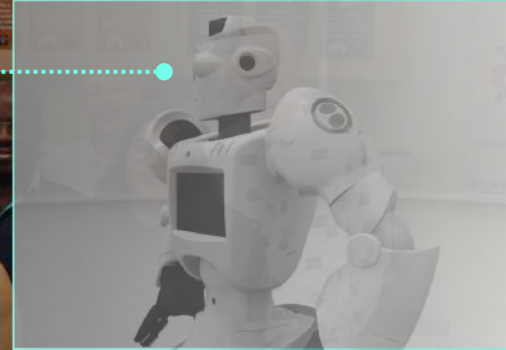function ( ) {

MIKE KIM

mikekim.fullstack@gmail.com :: 647.636.6379

234-70 Atkinson Rd, Toronto, ON, CANADA M3J 2S5

}

PERSONAL STATEMENT

With a career spanning over two decades as a Robotics Software Engineer, my journey has been nothing short of extraordinary, from orchestrating space robot missions to revolutionizing the realm of medical robotics. Amid this voyage, I witnessed the remarkable evolution of online platforms, driven by the transformative force of AI, and recognized it as the undeniable future. This realization ignited a new passion within me, propelling me towards an exciting career transition.

I dedicated six months to intensive training at the Seytech bootcamp, where I acquired the skills necessary to excel in the dynamic field of front-end development. Armed with this newfound knowledge, I embarked on a freelancing venture LalaSol project that would forever alter my perspective on technology and its endless possibilities. My freelance journey not only enhanced my technical skills but also strengthened my ability to communicate effectively, meet client expectations, and deliver top-notch solutions within deadlines.

Now, I stand poised to embrace my new role as a front-end developer. I am irresistibly drawn to companies that value innovation, foster a culture of continuous learning, and thrive on collaborative teamwork.

My journey in front-end development has just begun, and I am eager to contribute my skills and passion to exciting, forward-thinking projects.

SKILL SETS

- Front-end Developer

  HTML (86%)   CSS/SASS (86%)
  JavaScript (88%)   React JS (87%)

- Back-end Developer

  Strapi (86%)   Node.js (85%)
  Django RESTful (87%)   SQL (84%)

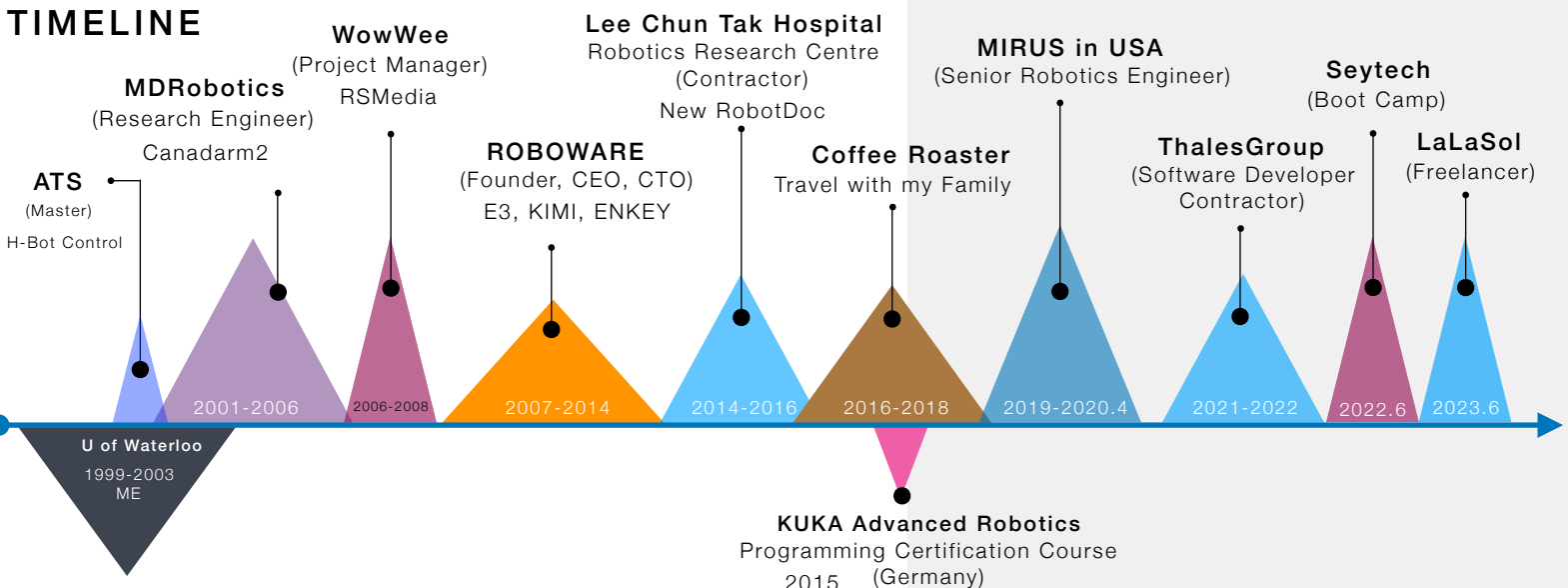- Development IDE

  VS Code (90%)   QT C++ (89%)
  QT C++ (91%)

- Source Code Control   Git/Hub (87%)

- My Portfolio (more info please visit the below link)

  Hello I'm Mike Kim
  Front End Developer

TIMELINE

ATS
(Master)
H-Bot Control

MDRobotics
(Research Engineer)
Canadarm2

WowWee
(Project Manager)
RSMedia

Lee Chun Tak Hospital
Robotics Research Centre
(Contractor)
New RobotDoc

ROBOWARE
(Founder, CEO, CTO)
E3, KIMI, ENKEY

Coffee Roaster
Travel with my Family

MIRUS in USA
(Senior Robotics Engineer)

ThalesGroup
(Software Developer Contractor)

Seytech
(Boot Camp)

LaLaSol
(Freelancer)

U of Waterloo
1999-2003
ME

2001-2006   2006-2008   2007-2014   2014-2016   2016-2018   2019-2020.4   2021-2022   2022.6   2023.6

KUKA Advanced Robotics
Programming Certification Course
(Germany)
2015

WORK EXPERIENCE

LaLaSol - Toronto, Canada
2023

Freelanser Fullstack Developer.
LaLaSol Eduction platform which allows teacher create courses easily by clicking pre-built components with preview result.

THALES - Toronto, Canada
2021-2022

Train Signal System Software & Tool Developer.
Tools developer for automated testing for London subway transit at Thales

MIRUS LLT - Atlanta, USA
Medical Device company
https://mirusmed.com/
2019-2020.4

Senior Medical Robotics Engineer. Full Stack Stand-alone Application Developer.

Spine Surgical Robot Software development - FK, IK for Staubli Robot, Generated Path-plan to Robot, Simulator and Staubli Robot Server and Interface. (QT, VTK, Staubli Robot, 3D fiducial Marker Interface)

Lee Chun Tak Hospital
           - Seoul
Robotics Research Centre
2014-2018

Full Stack Stand-alone Application Developer: Contract (Orthoplanner S/W)
Knee Replacement Software development, allowing physicians predefine the implant position and rotation of the femur and tibia and their simulation before the knee surgical robot performs surgeries.
(VC++ MFC, VTK: Image Segmentation, Joint Kinematics, DICOM Transfer)

ROBOWARE - Seoul
Intelligence Robotics
2007-2014

Founder & CEO/CTO
As a founder and CEO of ROBOWARE my Goal was to bring affordable personal robots to kids, educational fields and families. At the same period of time I made contribution to medical robot area with my knowledge and experiences.

Key Achievements:
Developed Robot Operating System, Medical robot system, Produced robot platforms

E3-ROMA	ENGKEY	KIBOT	KIBOT2	KIMI
2007~2009	2010~2013	2010~2011	2011~2012	2012~2013

WowWee - Hong Kong R&D
Interactive Toy Robotics
2006-2008

Project Manager
WowWee Company was the world leading robotic toy company and I was co-leading the couple of projects such as RSMedia and Elvis Presley Robot

Key Achievements:
Managing production lines and developed embedded, motion generation S/W

RS Media   Elvis Presley Robot

MDRobotics - Toronto R&D
Space Robotics
2001-2006

Researcher Engineer
MDRobotics' company is the most famous space robot company

Key Achievements:
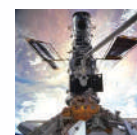Participation in developing Canada Arm (SSRMS, SPDM)
Participation in Hubble Telescope projects in NASA's Goddard Space Flight Centre

SSRMS(Canadarm2)   SPDM   Hubble Telescope

EDUCATION

Coffee Roaster
Florence, Italy
2017

Became the Coffee Roaster

Trained by the professional artisan coffee roaster.

Coffee Barista
Istanbul, Turkey
2017

Obtained the CSA Certification

KUKA Advanced Robotics
Programming Certification Course
- Augsburg, Germany
2015

KUKA LBR Platform Application Developer

Obtained the certification of KUKA LBR Med lightweight robot for a medical product.

University of WATERLOO
Graduate School - Waterloo
1999-2003

Master Degree of Mechanical Engineering

Obtained NSERC Full Scholarship and Fellowship
Developed the DynaSim S/W to simulate the multi-body motion

Thesis: Multi-body Kinematics & Dynamics Analytical Simulation

PERSONAL PROJECT

I-Stacker Robot Platform
2020 - present

Integrative retail and food service robotics platform

Roast Coffee Been
2018

Roasting coffee beans for my family and friends.
  - Produced computerized profile by the customized roast machine integrated with sensor

Education Robot Platform
2018

Developing the robot H/W & S/W platform for a scenario based education system.

Home-made 3D Printer
2018

Built the 3D printer for making the prototype.

PID - Coffee Machine
2018

Developed the PID controller and mobile app which can be integrated into any espresso coffee machine for the precise brewing temperature and weight control interfacing with mobile device.

POS System
2018

Developed POS (Point Of Sale) system for a coffee shop
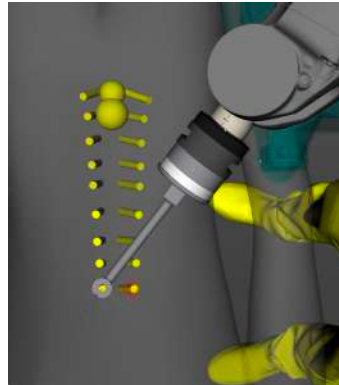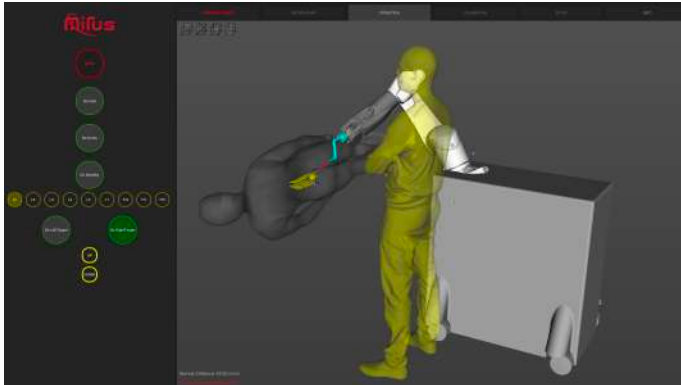 - Mobile Device APP connected in the web server
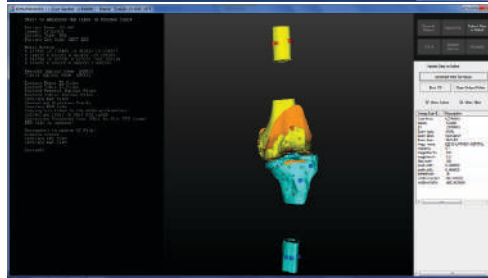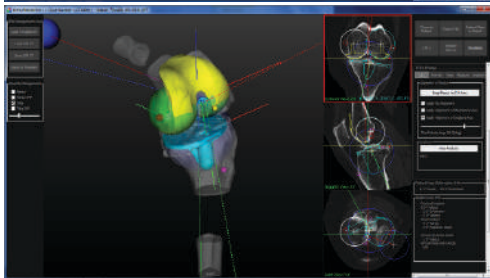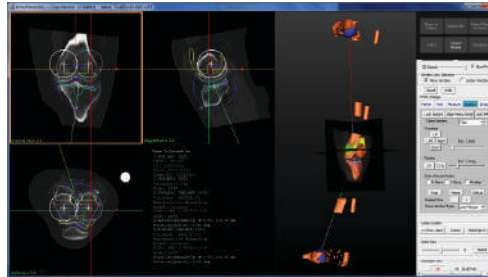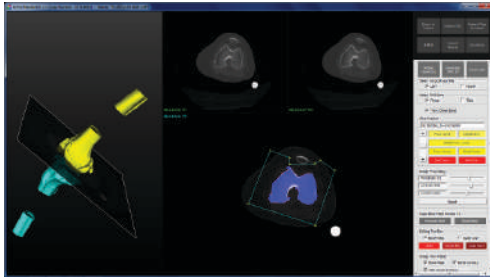
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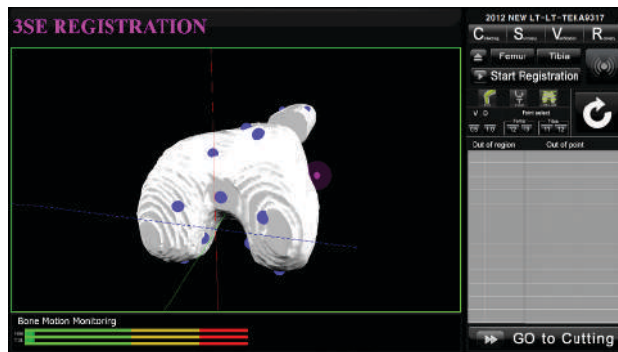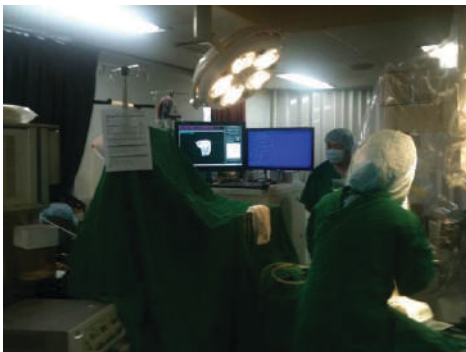
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S/W SCREEN SHOT

MirusRobotPlanner with Staubli Robot - 2020
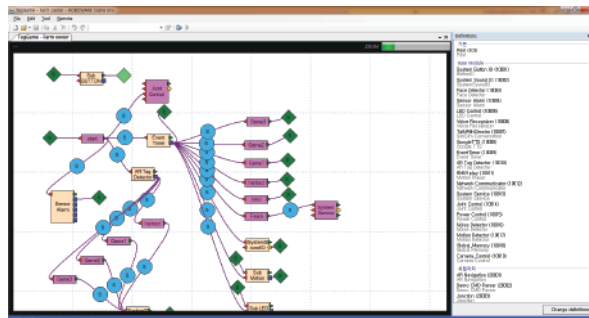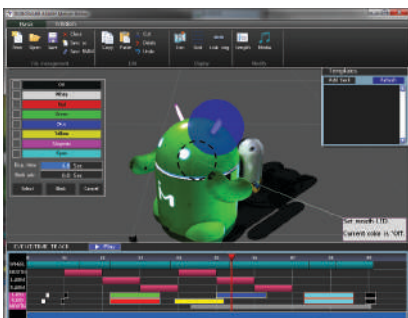

Orthoplanner S/W for Knee Replacement Surgery - 2016

3D Registration for RoboDoc- 2013

Scenario Editor for Robot - 2012

YOUTUBE LINK

KIMI - 2013

http://www.youtube.com/watch?v=0g1nnFoLKEU

http://www.youtube.com/watch?v=GzFPysSzje4&feature=youtu.be

http://youtu.be/BBpelHrJ8Fc

OMNI BASE - 2012

http://www.youtube.com/watch?v=fFpV15BbvQ0

http://www.youtube.com/watch?v=RSochyYrEw8

KIBOT2 - 2012

http://www.youtube.com/watch?v=nFMrh2v6Yks

KIBOT1 - 2011

http://www.youtube.com/watch?v=cIQ81Ap7-mU

ENGKEY - 2011

http://www.youtube.com/watch?v=SOBTSp-UIKs

http://www.youtube.com/watch?v=csL-c3KP2OQ

http://youtu.be/wM09lb4_RNU

https://www.youtube.com/watch?v=PhmDkQizZSg

E3 ROMA - 2008

http://www.youtube.com/watch?v=FwDYV-0zB-w

http://www.youtube.com/watch?v=22FGdLgvdc4