

HAIKENG CHEN

Personal Info

DATE OF BIRTH: 28 October 1993
RESIDENCE: Melbourne, Australia
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Experience

FEB 2017 | Pre-sales Solution Architect

-Current | at SIEMENS AUSTRALIA

Lead a team of 5 supporting the Siemens MindSphere Industrial IoT platform. Deep involvement in the regional G2M strategy planning, regional marketing, pre-sales consulting, technical support, local technical team development as well as partner management. Engaged with end-customers alongside our key account managers to co-create custom Industrial IoT solutions which delivered improved efficiency and new business models.

FEB 2016 | Electrical Engineering Cadet

-JAN 2017 | at LEHR CONSULTANTS INTERNATIONAL

Lehr is an engineering building services company offering electrical, mechanical and environmentally sustainable design services. I assisted in electrical services design and documentation, preparation of drawings, specifications, site surveys, audits and budget estimates.

FEB 2015 | Sessional Academic Staff

-NOV 2016 | at QUEENSLAND UNIVERSITY OF TECHNOLOGY

Computer lab tutor and practical lab instructor for EGB120 - *Foundations of Electrical Engineering*, ENB240 - *Introduction to Electronics*, ENB 243 - *Linear Circuits and Systems* and EGB 301 - *Instrumentation and Control*. Provided weekly tutorials on circuit design and analysis, assisted students with electrical lab experiments.

Awards

Impact ambassador for brand 2018

by SIEMENS AUSTRALIA

Finalist Rookie Engineer of the year 2017

by SIEMENS AUSTRALIA

Dean's List of Students with Excellent Academic Performance 2014 & 2015 & 2016

by QUT SCIENCE & ENGINEERING FACULTY

Education

NOV 2016 | Bachelor of Engineering

Mechatronics Major, Robotics Minor, Mathematics Minor

QUEENSLAND UNIVERSITY OF TECHNOLOGY, Brisbane, Australia

GPA : 6.7/7.0

JULY 2012 | High school

CAMBRIDGE INTERNATIONAL CENTRE OF SNU, Shanghai, China

Projects

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|------|---|
| 2018 | IoT for Craft Breweries
SIEMENS AUSTRALIA
Hosted a few co-creation/consulting sessions with an OEM customer who produces fermentation vessels for craft brewing. Designed a solution with the customer to allow them to provide data-as-a-service to their end customers via a web application to visualise the brewing process and select the best batches in order to find the best brewing conditions using machine learning. This also allowed the OEM to migrate to prescriptive servicing as they now have transparency on how their equipment is used. This solution was done in house alongside 2 part time developers. |
| 2018 | Regional Product Hard Launch — MindSphere, IIoT Platform
SIEMENS AUSTRALIA
MindSphere is an Industrial IoT platform from Siemens which aims to standardise industrial cloud solutions on one platform. By hosting co-creation sessions with the customer and iterating through solution prototypes. I delivered bespoke solutions for pilot customers to establish first success stories for the platform. I also managed partner relationships by assisting their migration of existing and new solutions on to the platform. All activities contribute to a product hard launch event at Swinburne University with 8 foundation partners as well as 6 local use cases within 5 months. launch video here |
| 2017 | Dulux Merrifield Process Digital Twin
SIEMENS AUSTRALIA
Delivered a simulation of the full production controller hardware as well as interface for the Dulux Merrifield factory, simulation was done using SIMIT, a Siemens software. Having a virtualised hardware allowed the development team to develop the control software on the real controller hardware while the testing team tested the updates in the simulation. Not only did this cut development time by at least 8 weeks, the simulation was also used for the on-boarding of new plant employees who would learn the operation on the simulation before working on the actual factory. |
| 2015 | Small Size League Robot
QUEENSLAND UNIVERSITY OF TECHNOLOGY
A soccer robot using an Android phone with on-board vision and navigation systems, omni-directional drive system, and a solenoid kicker. I am behind the programming of the navigation and AI for this robot. I have also made a video on this project. |

Computer Skills

Basic Knowledge: ReactJS, NodeJS, PCB design, 2D & 3D Cad Design, Android, C, Java,
Intermediate Knowledge: Python, Javascript & HTML, MATLAB & Simulink, L^AT_EX, GNU-Linux

Interests and Activities

Technology, Reading, Podcasts, Photography, Hackathons
Martial Arts, Fitness, Basketball, Travelling, Swimming