

# CHRIS HUIJS

INDUSTRIAL DESIGNER

## CONTACT



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## PROFILE

In 2017 I graduated with first class Honours in Industrial Design from RMIT. During my studies I worked at Ilanel Design Studio designing and making custom lighting as well as Folium 3D creating architectural models. Since graduating I have worked at Yellow Goat Design designing large scale lighting and playground equipment. I am currently working for Quest Integrity where I am creating new types of ultrasonic scanning devices.



## HOBBIES

I have been fortunate to have travelled throughout Europe, road-tripped with my BMX across the United States, cruised around Asia, ridden a motorbike around the Indian subcontinent, road-tripped the east coast of Australia in a self-converted camper van, hiked through Nepal and snow-boarded in New Zealand and Japan...all with my camera in hand.



## EDUCATION

### **Bachelor of Industrial Design (Honours), 2014 - 2017**

RMIT UNIVERSITY - Melbourne, Australia

First Class Honours

RMIT chapter of Golden Key International Honour Society member.

### **Diploma in Architectural Technology, 2003-2004**

Bay Of Plenty Polytechnic - Tauranga, New Zealand



## EXPERIENCE

### **Designer and NDT Technician, Quest Integrity**

*Varsity Lakes, Gold Coast - May 2019 - Current*

At Quest Integrity, I work closely with senior staff to design and create custom ultrasonic scanners and jigs for NDT (non-destructive testing) work. This work involves using Solidworks for modelling, manual machining of plastic tools and 3D printing for prototypes and manufacturing. These jigs and scanners are then used on industrial sites such as power stations.

I also work with the advanced engineering department to create complex Solidworks models for FEA (finite element analysis) in Abaqus. These models are created using 3D point cloud scan data collected on-site. I use that scan data and the Solidwork's surfacing tools to create a solid model for the engineering department to perform FEA calculations. I have also begun learning how to model and run FEA calculations in Abaqus.

### **Designer and Founder, Huijs Workshop**

*Mermaid Waters, Gold Coast - January 2018 - December 2019*

Huijs Workshop was born off the back of my Honours project at RMIT, a camera carry system. It is a way for me to get products that I have designed, and love, out into the world. Since university, I have carried out extensive product testing, re-designing and prototyping. I have achieved this using Solidworks, Fusion 360, FDM 3D Printing and SLS 3D printing. I have liaised with offshore manufactures to obtain prices for injection moulding and product assembly. Through this process, I have been able to further prototype my product to be mass manufacturable.

## SKILLS



SOLIDWORKS	<div><div></div></div>
RHINO	<div><div></div></div>
GRASSHOPPER	<div><div></div></div>
AUTOCAD	<div><div></div></div>
FUSION 360	<div><div></div></div>
KEYSHOT	<div><div></div></div>
ADOBE SUITE	<div><div></div></div>
PROTOTYPING	<div><div></div></div>
PROJECT MANAGEMENT	<div><div></div></div>
PROBLEM SOLVING	<div><div></div></div>

## REFERENCES



CONRAD JOHNSON  
Design Manager  
Yellow Goat Design  
Phone: 0410 795 615

ILAN EL  
Managing Director & Founder  
Ilanel Design Studio  
Phone: 0403 100 398



## EXPERIENCE

### Industrial Designer, Yellow Goat Design

*Southport, Gold Coast - April 2018 - February 2019*

At Yellow Goat Design I worked alongside the Design Manager and Operations Manager to create new designs and improve existing designs. I worked on large scale commercial lighting for shopping centres and hotels as well as playground equipment. In this role I used Rhino to create 3D models of each project and used AutoCAD to produce approval drawings for clients as well as construction drawings for in-house and offshore manufacture. Additionally, I used the Adobe Suite to create marketing material for the Head of Marketing.

### Lighting Designer & Maker, Ilanel

*St Kilda, Victoria - October 2016-December 2017*

At Ilanel, I worked alongside the Company Director as a Designer Maker. This role involved taking an idea or sketch and turning it into a deliverable custom light, overseeing the entire process. My responsibilities included creating 3D models of the light using Solidworks, updating and prototyping the design when necessary, creating 2D manufacture drawings with Illustrator for external contractors, managing the manufacture and assembling the light ready for delivery.

### Team Leader/Model Maker, Folium3D

*Yarraville, Victoria - July 2015-October 2017*

At Folium 3D, as an Architectural model maker, I used Solidworks and Rhino to redraw future building developments ready for 3D printing and laser cutting. I then created manufacture drawings to communicate what needed to be painted and masked for assembly. In this role I managed projects from start to finish, individually created a project from start to finish and assisted team members to see their projects come to life.

### Senior Line Design Surveyor, Balpara

*Oakleigh, Victoria - May 2014-December 2017*

I was employed as a senior powerline design surveyor working on United Energy, AusNet services and Jemena networks. In this role I used Leica total station and TopCon GPS and have undertaken professional training in the latter. I also worked closely with and assisted the electrical engineers to ensure work quality.

### Team Leader/Line Design Surveyor, Zinfra Group

*Clayton South, Victoria - 2008-2014*

While working as a line design surveyor I worked, for the most part, on United Energy assets. In this role I have completed many major projects up to and including 66kV lines. In my time with Zinfra I have worked on both Jemena assets and SP Ausnet assets and, as a result, have extensive knowledge of construction manuals across Victoria, including VESI. In my role with Zinfra I have taken opportunities to push new technologies. For instance, I have run single man surveys with reflector-less total stations and have completed pole line surveys using a GPS. Additionally, I have been helping to develop and diversify nPoles and PPE software. While working for Zinfra I have assisted in the training of four overhead line design trainees.

### Line Design Surveyor, Utility Asset Management

*Dandenong South, Victoria - 2005-2008*

I started at Utility Asset Management as an assistant on overhead line surveys and lease surveys. I quickly learnt to use AutoCAD to draft leases and before long I was party leading on lease surveys and on small over head surveys on a regular basis. Soon I took on a role party leading all leases and some line design. I also had an opportunity to be one of the first to use nPoles and had a role in helping develop the software itself. While working for Utility Asset Management I worked Victoria-wide and in doing so gained a thorough understanding of construction manuals Victoria-wide, including VESI.