JOEY **HUANG**

Dutch, The Netherlands

www.jpchuang.com

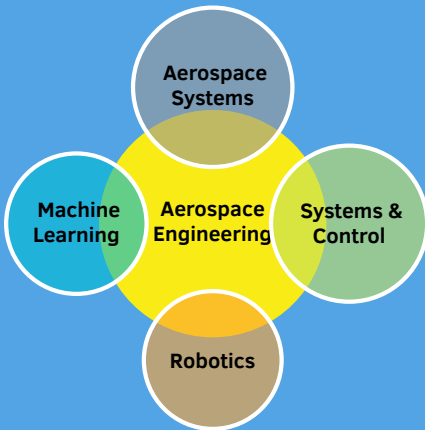huang.jpc91@gmail.com

/in/huangjpc

Technical Skills —

Aerospace Systems

Machine Learning · Aerospace Engineering · Systems & Control

Robotics

Programming Languages: Javascript (ReactJS), Python, MATLAB, C++

Software: CATIA, ROS (OpenCV, PCL), Simulink, 3D Printing development tools

Languages: Dutch (Mother tongue), English (Fluent), Chinese Mandarin (Elementary)

Interests ——————

- **Blockchain Technologies**
- **Application of Quantitative trading**
- **Embedded Systems**
- **Cyber Security tools**
- **Travel + New cultures**
- **Development of E-sports**

Experience

July 2018 - Jan 2019

Engineering Consultant   Deloitte | Big Four Consulting Firms, The Netherlands
- Part of Deloitte Digital. Focused on front-end development in ReactJS for variety of customers.
- **Project:** I was part of the front-end development team to create new website marketing strategies for Nikon Europe.
  Developer Tools: Docker, Github, JavaScript, ReactJS, HTML and CSS / Bootstrap.

Mar 2016 - Sept 2017

Product Developer   Solarswing Holding B.V., The Netherlands
- Model development in Energy+ and MATLAB for various spatial buildings to obtain their thermodynamic properties. These properties would be analysed to implement algorithms for optimal and efficient use of automated solar panels.
- **Project:** I was part of the team that was collaborating with Verosol in order to create highly efficient algorithms for Verosol
  Website: www.verosol.com
  Developer tools: Github, MATLAB, Python, Energy+, SketchUp, SCRUM, JIRA.

Apr 2013 - Oct 2015

Logistic Management   Skynet Services B.V., The Netherlands
- Managing the import and export of parcels in the company.
- Overseeing the administrative section of mail services.

Education

Sept 2018 - Present

MSc. Aerospace Engineering   Delft University of Technology, The Netherlands
Profile program: Control & Simulation; a program that improves the safety of aerospace operations through design and experimental evaluation of automatic flight control systems, human-machine systems, sense & avoid and air traffic management systems.
Specialisation:
- **Air Robotic Vehicles (UAVs):** Researcher at the Micro Air Vehicle Laboratory - **Website:** www.mavlab.tudelft.nl
- **Systems & Control:** Design and improve current Automatic Flight Control Systems using classical and modern Control Theory.
- **Electives:** Machine Learning and Artifical Intelligence Techniques, 3D Printing, Autonomous Flight of Micro Air Vehicles, 3D Robot Vision.

Expected graduation date: End of 2020.

Sept 2016 - Sept 2017

Pre-Master Computer Science   Delft University of Technology, NL
Courses: Reasoning and Logic, Software Engineering Methods, Algorithm Design and Data Structures, Web and Database Technology, Software Quality and Testing.

Sept 2012 - Dec 2018

BSc. Aerospace Engineering   Delft University of Technology, The Netherlands
Thesis Project: Design of a Vertical Take-Off and Landing air vehicle for rescue missions in the Himalayas.
Minor (Sept 2014 - Jan 2015): Participated in the Airport of the Future programme. This minor teaches about the design, planning, management and operational aspects of airports.

Sept 2004 - Sept 2011

Pre-University Education (VWO)   Fons Vitae Lyceum, The Netherlands
Profile program: Technical Profile (Nature and Technics N+T)
Electives: Information Technology, Management & Organisation