

Ji Yong Kim

Mechanical Engineer

Summary of Qualifications

Creative recent mechanical engineering graduate seeking a R&D and mechanical designer position. Variety of working experience as a R&D engineer, Mechanical Design Engineer, repair engineer, assembly manager and Mechanical Design engineer in engineering companies. 8+ years soldering expert, 2+ years SolidWorks, and electrical technician skills. Quick to learn and adapt to new technology and knowledge. Strong ability to make innovative and creative ideas.

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562-533-5671

Seattle, Washington

US Citizenship

Employment Gap

09/2018 – 10/2019	Two big leg surgeries at Keck Medical center (By Geoffrey Marecek, MD) and physical therapy at Empower physical Therapy and wellness, Chino Hill. I completely recovered and returned to all my activities
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Education

Graduated in 09/2018	UC San Diego Jacobs School of Engineering , Bachelor of Science in Mechanical Engineering GPA in senior year: 3.533 , Major division GPA: 3.108 Senior project: Tissue Disaggregator, sponsored by Dr. David Boyle. • Combined the mechanisms of a magnetic agitator, PID Temperature controller, an ultrasonic bath. • Programmed Python GUI on Raspberry Pi in order to develop touch screen operation menu. • Simulated thermal system of temperature controller container in SolidWorks. • Handled 3D printer, Mill, Lathe skills • Webpage: https://sites.google.com/a/eng.ucsd.edu/156b-2018-spring-team25/?pli=1
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Experience

04/2015 – 09/2017	Tap Electronics, Buena Park, CA - <i>Repair Technician and Engineer, Assembly Line Manager</i> • Repaired and modified Electric audio system for Yamaha, Tascam, Teac, Pioneer, Esoteric. • Demonstrated advanced skills in soldering SMT IC chips on Yamaha AV receiver HDMI PCB board. • Participated as soldering technician for Speaker modification project at Yamaha Corporation. • Managed the assembly line and trained soldering skills.
09/2014 – 10/2014	CNB Technology, Buena Park, CA - <i>Modification Technician, 2-month contract</i> • Modified the security camera system. • Managed the assembly line and quality control.
06/2010 – 08/2013	G-systech Inc., Cerritos, CA – <i>R&D Engineer, Mechanical Design Engineer</i> (Start-up Company, Part time) • Designed and developed ideas for products and received design patent in a solar led light device. • Developed SolidWorks 3d design experience and electrical PCB design. • Researched and purchased lower price and better-quality parts and designed simple and easy-to-assembly and manufacturing. • Demonstrated pick and place machine for Assembling PCB and managed assembly line.

Skills & Qualifications

Mechanical Skills	• Professional SolidWorks in design and simulation	• Matlab	• Bandsaws
	• Mill	• Lathe	• Table Saw
	• CNC Machine	• 3D printer	• Autocad
Electrical Skills	• Cadence ORCAD Schematic Capture	• Allegro PCB Editor	• Gerber Tool
	• Over 8 year's expert soldering skill	• Pick and place machine	• Soldering paste tool
General	• KeyShot	• Photoshop	• MS office.
		• Fluent in Korean	

Certification

- Certified SOLIDWORKS Professional (CSWP), Certificate ID: **C-UANPRX4CME**, Issued By: **VirtualTester Online**

Patent

- Design Patent "Flexible solar light lamp device". **Patent Numbers 8931914 JAN 13, 2015**