

Mikhail Khoury mikhail.khoury@gmail.com / www.mikhailkhoury.com

I'm a Mechanical Engineer and Industrial Designer with a burning passion for honest product design. My fascination and expertise lies at the intersection of the imaginative Design process and the methodical Engineering process, where grand and seemingly crazy ideas are born and realized.

Experience

Product Design Engineer @ iPort/Sonance 2021 – Present

Full-stack product development of proprietary iPhone and iPad charge & sync system for residential, commercial and retail markets: from in-house rapid prototyping and concept validation to DFM and collaboration with China manufacturing teams & overseas vendors. Design and validation of physical user-interactions, intricate mechanisms and complete integration of electronics.

Mechanical Design Engineer @ Impact Automation 2019 – 2021

Designed mechanical structures of large automated conveyor systems. Integrated mechanical and controls systems for automated parcel sortation. Developed novel parcel accumulation devices for nationwide USPS and Amazon facilities. Created wide variety of supporting technical documentation.

Mechanical Engineer @ Murzan 2016 – 2019

Designed precision-machined stainless steel parts for industrial sanitary processing equipment. Managed assembly, testing and installation of large scale automated systems. Developed custom in-house data management software, saving thousands of hours of manual data entry and analysis. *Bonus content: designed digital and print marketing material and created new company website.*

Manager @ Invention Studio Makerspace 2014 – 2016

Supervised and taught makers to use wide variety of fabrication equipment: laser cutters, 5-axis water-jet, FDM and Polyjet 3D printers, traditional and CNC metalworking and woodworking machines. Managed makerspace and maintained all equipment. (Eventually, I built my own shop.)

Math Teacher 2015 – 2017

Teaching high-school students was one of my greatest creative challenges: a constant search for simple and clever ways to deliver a fascinating subject made (sadly) dull by the average classroom.

Education

Georgia Institute of Technology B.S. in Mechanical Engineering

Lund University Industrial Design Program

Skills

Fabrication Hands-on Prototyping, Rapid Prototyping, Manual/CNC Woodworking & Metalworking

Manufacturing Injection Molding, Machining, Die Casting, Sheet Metal Forming, Finishing Processes

Software (CAD) Solidworks, Inventor, AutoCAD (Design) InDesign, Photoshop, Illustrator, Keynote

Languages (Human) English, French, Spanish (Web) PHP, MySQL, HTML, CSS, JS, jQuery

Life Professional at packing the dishwasher, Proficient at parallel parking, Worthy ping pong opponent,

Amateur treasure hunter