

ASHLEY PETIX

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JUNIOR INDUSTRIAL DESIGNER / PRIDE MOBILITY

Duryea, PA | September 2019 - Current

- Responsible for designing all plastic components for Pride/Quantum powerchairs and scooters.
- Design parametric Solidworks solid and complex surface models that are optimized for injection molding.
- Work directly with plastics and mechanical Engineers. Generate analog and digital visuals for Marketing and Sales.
- In house full prototype builds with Stratasys FDM printers and resin SLA/TPU prints.

INDUSTRIAL DESIGN CO-OP / SMITHWISE

Philadelphia, PA | May 2018 - January 2019

- Collaborated with engineering and clients for prototyping and testing. Created parametric solidworks models.
- Conducted on-site research and interviews in healthcare settings in order to identify core stakeholder needs
- A key role included working with Basil Leaf Technologies during the development of DxTER, a Telehealth Platform for COPD Patients and their Clinicians and winner of the Qualcomm Tricorder X Prize.

JUNIOR INDUSTRIAL DESIGNER + RESEARCHER / VIVID PD

Philadelphia, PA | January 2018 - April 2018

- Created renderings and presentations to ensure clear communication with clients.
- Aided product development through consumer and medical market research.

INDUSTRIAL DESIGN INTERN / PIDYON CONTROLS

Philadelphia, PA | October 2017 - February 2018

- Synthesized US and EU safety standard research for the design of a novel children's car seat. Mapped crucial requirements to keep design and engineering apprised of necessary changes to ensure compliance.

TECHNICAL SUPERVISOR, SCENIC DESIGNER

Greater New York City Area | 2011-2017

- The Metropolitan Opera, NYC International Fringe Festival. Associate Designer for Al Gore's 24 Hours of Reality.
- AutoCAD, 3DSMax, budgeting, construction, renderings, project management, team leadership.

EXPERIENCE

PATENTS + AWARDS

Patent Pending # 62814034
Dual Function Receptacle Seal

Lean Manufacturing
Bronze Certification, 2020

Liong Keng Kwee Grant
Recipients, 2018
ExpoSURE Team

Sprint Competition, TJU
1st Place, 2018
ExpoSURE Team

24 Hour IQ, Villanova
1st place, 2017
iPark Team

SKILLS

Hand/Digital Sketching
User Centered Design
Prototyping
Human Factors
Design Thinking
Project Management

SOFTWARE

Solidworks
Keyshot + XR
Adobe Suite
Arduino
3D Printing/Slicing
Agile PLM
Formlabs/Stratasys/Prusa

EDUCATION

Thomas Jefferson University
Master of Science
Class of 2019
Industrial Design, 4.0 GPA

Drew University
Bachelor of Arts
Class of 2013
Fine Art, Spanish, Theater
3.7 GPA