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Ryan Pennings, *Percy Stools*, 2015, Polylactic Acid (PLA).

Ryan's work explores the exciting design opportunities where algorithmic design meets robotic fabrication. As an emerging designer, he tests how algorithmic design can be applied to conventional products. He demonstrates that custom printing furniture for our own homes could be a reality in the near (very near) future. Each stool has its very own algorithm and is printed with a robotic arm.

Percy Stools were first developed in 2015 as part of research for Ryan's Bachelor of Industrial Design (Honours) at RMIT University in Melbourne.

XYZ Workshop (Kae Woei Lim and Elena Low), *inBloom*, 2014, Polylactic Acid (PLA).

At 2.1meters long, XYZ Workshop has created one of the world's longest 3D-printed dresses using (only) a desktop printer. Blending traditional dressmaking techniques with digital technology, *inBloom* makes polylactic acid (PLA) function like textile. The open-source files of the dress are free to download, encouraging people to 'hack' the dress and make it their own.

In 2014, *inBloom* made it into the White House for Reach Higher's Fashion Education Workshop organised by Michelle Obama.



Lukasz Karluk, *HoloDecks*, 2014, Polylactic Acid (PLA).

Holodecks focus on transforming sound through different mediums. Lukasz uses software to transform sound into 3D-printed sculptures. Using a computer generated code, each sculpture is a representation of audio from a selected song. An augmented reality app tracks the rotating sculpture and overlays a virtual 3D model, giving the effect of an audio reactive sculpture. Got it?

His interaction design company, Code on Canvas, have produced installations and generative computer art for Sydney Festival, Vivid Light and Australian Fashion Week. They think outside the box.



Lousje Skala, *Calgary Necklaces and Link Bracelets*, 2015, 3D printed nylon, hand -dyed, CNC milled, vacuum metalized chrome

Lousje Skala is a silversmith. Trained traditionally, she has expanded her skills and resources to include non-traditional tools, such as computeraided design software, 3D printing and CNC milling. She is fascinated with language, social disconnection, and the negative social impact of digital media. So, it is her intention that when people wear her bold jewellery, the pieces encourage social connections. In 2013, Lousje featured in Melbourne Now at the National Gallery of Victoria's major exhibition, and she has also exhibited across the globe from Europe and Japan.





