



Alexander Robert Key

L6 BA Hons 3D Design and Craft

The Wave Collection

With this project I wanted to explore and push my boundaries in digital and hand-crafted approaches to design and manufacture of seating furniture. My aim for this collection was to exemplify clean curves and a minimalist profile which displayed the natural beauty of the Ash by bringing together my skills across both approaches.

To realise these ambitions, I explored processes such as steam bending which enabled me to achieve twists and curves that would not have been possible otherwise. This is evident in the single integrated piece back and armrest element of these designs, which displays the dramatic twist of the material. This artfully crafted aspect is complimented by the chairs' seat, which used the computer controlled (CNC) 3-Axis milling machine to achieve the thin 'W' shaped profile. Bringing together these two approaches allowed me to push my designs and the material to execute a refined collection of furniture.

Dissertation Title: Evaluating the sustainability of the Hembury chair