

# Geoff Johnson

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## Experience

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| <b>Founder and CEO</b>   | <b>Parametric Dining LLC</b>  | <i>Philadelphia, PA 2012 - Present</i>      |
| <p>Founder and CEO of Parametric, a company that designs restaurant and consumer facing technologies. Our flagship product is the pay-at-table tablet, CheckMate. Parametric focuses on creating technologies that leverage pre-existing platforms to create unprecedented experiences for users and provides data and analytics that streamline operations for customers. As CEO I am in charge of vision, strategic planning, fundraising, and day to day operations management. I was also the lead designer on the initial version of the CheckMate device and as a trained engineer have been instrumental in technical development.</p>  |                               |   |
| <b>Product Development Engineer Intern</b>   | <b>Synthes</b>                | <i>West Chester, PA Summer 2010</i>         |
| <p>Summer Intern in the Spine Surgeon Response Group at Synthes, a leading global medical devices company, working directly with orthopedic and neurosurgeons to design custom implants and instruments. Lead designer on two independent projects: one was a multi-part cervical spine instrument set and the second was a single plastic piece for retaining screws with stripped heads. Starting with the surgeons' goals for the devices, I designed and fabricated functional prototypes that would later be validated using cadavers in a lab. I gained working knowledge about production costs, design for manufacturability and product development in a time restricted environment.</p>                                 |                               |   |
| <b>Teaching Assistant</b>  | <b>Mechanical Engineering</b> | <i>University of Pennsylvania 2008-2010</i> |
| <p>Teaching Assistant responsible for five Mechanical Engineering courses over the past three years. I helped to plan and redesign the curriculum for the mandatory Mechanical Engineering lab courses and worked to redesign an advanced level CAD/CAM class as well as a new introduction to manufacturing class. My responsibilities include managing the 3D printer in the lab, teaching students how to use various software packages and working in the machine shop teaching students how to use the CNC mill and lathe. I am also responsible for building apparatuses to be used in the lab courses, using CAD and various manufacturing techniques, including CNC turning and milling, to design and fabricate them.</p> |                               |   |
| <b>Lab Manager</b>   | <b>Weiss Tech House</b>       | <i>University of Pennsylvania 2008-2010</i> |
| <p>Lab Manager at the Weiss Tech House, a center for innovation and entrepreneurship at Penn. I managed the mechanical prototyping and presentation lab spaces with a team of student employees. I rewrote the guidelines and policies for use of the spaces and was responsible for ensuring that all labs were clean and workable and running a mandatory training course.</p>   |                               |   |

## Education

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|--------------------------------------|----------------------------|------------------|
| <b>BS, Mechanical Engineering</b>    | University of Pennsylvania | <i>2007-2011</i> |
| <b>MS, Integrated Product Design</b> | University of Pennsylvania | <i>2010-2012</i> |

## Skills

Solidworks and ProEngineer - Adobe Illustrator - Adobe Photoshop - Adobe InDesign  
CNC machining and prototyping on mill and lathe (Solid CAM) - UI Design - Dimension Elite and Catalyst (3D Printing)  
Manual manufacturing (wood, metal, plastics, composites) - PCB design (and general electronics)

## Awards and Honors

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|---|-----------------------------------|--------------------|
| First Place All Engineering Senior Design | <i>University of Pennsylvania</i> | <i>April 2011</i>  |
| Gemmil Award for Senior Design            | <i>University of Pennsylvania</i> | <i>April 2011</i>  |
| Jacob M. Abel Scholarship                 | <i>University of Pennsylvania</i> | <i>Summer 2009</i> |
| Eagle Scout                               | <i>Troop 1 Hingham, MA</i>        | <i>April 2007</i>  |
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