**Stephen G. O’Neil**

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**Professional Summary**

Over the course of my career I've had the pleasure to have worked in several capacities. All of which has led me to the point where I see myself blending that combined experience into a multi-faceted ***teaching*** & ***coaching*** position. I look forward to this next opportunity as one that would allow me to leverage this diverse background, while contributing to the education of our next generation.

**Professional Experience**

**New Hanover County Schools, Wilmington NC**

CTE Instructor (9/16 – Present)

* While in the employ of Ashley High School, have developed curriculum instruction to cover Autodesk AutoCAD, Inventor Professional, and Revit in preparing students for studies involving Basic Mechanical and Architectural design. During this time, worked to prepare students in extracurricular club activity and CAD end-user certification for employment.

Teacher Assistant (11/15 – 9/16)

* While in the employ of Anderson Elementary, have worked to develop the needed social and academic skills as part of the curriculum of our EC children program. Also served as an Assistance coach within the district at Ashley High School.

Substitute Teacher (10/15 – 11/15)

* While representing the county education initiative and code of conduct required of all teachers, responsibly fill in for Teachers from all levels of education in New Hanover County.

**Baxano Surgical, Wilmington NC**

Senior Manufacturing Engineer (7/13 – 9/14)

While representing new project teams as lead manufacturing engineer, I focused on meeting new product design intent while maintaining manufacturability.

* Engaged the R&D group as manufacturing lead in evaluating component & assembly designs for manufacture and subsequent selection of 10 new supply chain partners based on their core competencies where it applied to the medical devices under review, for design verification & validation.
* Successfully helped to evaluate and subsequently determine the Supply Chain representation in managing the $750K total budget leading to the on-time beta release launch of two new Thoracolumbar Spine Systems. Also managed and supported the in-house quality inspection initiatives required of both, while managing the overall Supply Chain timeline leading up to inspection.

**Alphatec Spine, Carlsbad CA**

Advance Manufacturing Engineer (12/10 – 7/13)

While serving on new project teams, worked with R&D personnel to develop design intent in bringing spine system implants & instrumentation to market while evaluating product design for manufacturability.

* Prepared Work Instructions, PFMEA’s, Process Flow Mappings, and Standard Operating Procedures, as required, in support of R&D, in meeting the manufacturing deliverables required of a new product release.
* Wrote and executed necessary process & operational protocols in support of the eventual launch of fully outsourced product.

**Orchid Lansing Orthopedic Solutions, Holt MI**

Project Manager (12/07- 12/10)

As R&D project lead, scheduled and initiated contact with the customer base in providing presentations on services to include the manufacturing of their approved product design. From here, would quote the proposed work and track all activity in SalesForce. Once the order was secured, provided the customer with models & drawings and then lead cross functional teams in providing FA samples and POQ/PPQ validation activities leading up to the launch of new product.

Application Engineer (06/04- 12/07)

While working in this role of application engineering, developed prototype 3 separate CNC machining work cells, while introducing new tools and fixtures as needed. In the process of qualifying the equipment, managed the CNC programmers & technicians in leading up to the transfer to production.

**CAD Technical Services, LLC, Fraser MI**

Partner (09/96 – 03/04)

Co-founded a startup CAE & manufacturing firm in collaboration with business partner located in US and Scotland. In this partnership, created an engineering design layout and went about the business of purchasing design equipment along with printers and scanners. Next, recruited, trained and managed the group consisting of 12 CAD designers, interns and CNC machinists to support the start-up business plan.

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| **Savair Incorporated, St. Clair Shores MI**  Network Administrator (4/92 - 12/94)  Responsible for increased growth of the company’s IT mainframe and UNIX workstation support staff. Managed an IT staff of seven technicians and controlled all assignments for technical report writing, budget proposals, application development and operating system support/installation.  Ø1 OS server platforms supported were Novell, SUN, and HP-Unix along with CAD/IS applications running client computers that included Mapics, CATIA V3&4, Unigraphics V10-13, and AutoCAD. |
| Project Engineer (04/89 - 04/92)  Coordinated layout and design of automatic and robot mounted resistance-welding equipment on various CAD platforms; including Unigraphics, AutoCAD, and CATIA. Project responsibility required having to direct purchasing, manufacturing and engineering in satisfying the demands of the manufacturing cycle as dictated to by the end customer, GM, Ford or Chrysler. |
| CNC Machinist / Programmer (06/83 - 04/89)  Served both as a CNC machinist and CNC programmer on Okuma & Howa machining centers and turning centers, utilizing computer technology geared toward the Fanuc control. |

**Education**

Graduate Certificate in Middle & Secondary Teaching from Appalachian State University,

GPA: 3.83, Boone, NC Major: Career & Technical Education

Bachelor of Science in Engineering from Wayne State University,

GPA: 3:30, Detroit, MI Major: Electromechanical Engineering

Associates Degree of Applied Science from Macomb County Community College,

GPA: 3:00, Warren, MI Major: Computer Numerical Control, (CNC), Technology

**Professional Affiliations**

Wayne State University – Professional Order of Engineering Technology, (POET), as active alum since the year 2000

Golden Key National Honors Society (GKNS), active since 1997