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Manuel L. Donnay

Education

2002 - Present **Columbia University** New York, NY

- B.S. in Mechanical Engineering, expected graduation May 2006
- Related Coursework: Mechatronics (w/ lab), Classical and Digital Control Systems, Computer Aided Design, Mechanical Engineering Lab, Heat Transfer, Fluid/Solid Mechanics, Thermodynamics, Probability and Statistics, Calculus, Linear Algebra
- GPA: 3.86 / 4.0

1998 – 2002 **Pope John XXIII Regional High School** Sparta, NJ

- Graduated June 2002
- GPA: 4.37 / 4.0

Honors

- Tau Beta Pi National Engineering Honor Society - Columbia University Chapter
- Pi Tau Sigma Mechanical Engineering Honor Society - President - Columbia University
- Dean's List (Fall 2002 – Fall 2005)
- National Merit Commended Scholar (2001)

Experience

5/2005 - 8/2005 **St. Jude Medical - CRMD** Sunnyvale, CA

Intern/Co-op - Mechanical Engineering Group

- Conceptualize, design, and model components for implantable cardioverter defibrillators (ICD) currently in development as well as fixtures used for ICD assembly during production
- Analyze current ICD assembly processes in order to improve ICD production

6/2004 - 9/2004 **Columbia University - Mechanical Engineering Labs** New York, NY

Research Assistant

- Responsible for automating a process involved with the laser forming of metals intended to fix imperfections found in the production of turbine blades
- Assisted with the acquisition of empirical data necessary for process automation

9/2004 - 3/2005 **UBS Financial Services** New York, NY

Intern - Wealth Management Division

- Acquire and analyze data with the intention of finding correlations between trends in financial markets and preparing presentations for current and potential clients

Skills

- Working knowledge of French and Spanish
- Proficient with Pro/E, I-DEAS, C++, Java, MatLab, Word, Excel, PowerPoint