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Objective To obtain a doctorate degree in neural engineering

Education **Michigan Technological University (MTU)** Houghton, MI
BS Biomedical Engineering **GPA: 3.77** May 2006
International Spanish Minor

Experience **Research**
Research Scholars Program (MTU) January 2004 to Present
• Highly selective group of undergraduates interested in research
Independent Research Project
• Developing a device that measures water & electrolyte loss of children with diabetes
• Reviewed the literature to determine potential value of research
• Created a test cell design
• Designed urine impedance & flow rate sensors using thick film technology
• Determined biocompatibility of the design characteristics

International Experience **National Student Exchange Program (MTU)** Mayagüez, Puerto Rico
Recinto Universitario de Mayagüez Fall Semester 2004
Completed fourteen credits
Academia Kolumbus Quito, Ecuador
Ten credit intensive Spanish course Summer 2003

Work Experience **Biomedical Engineering Laboratories** Houghton, MI
Student Research Assistant (Summers of 2004 & 2005)
• Assisted with various research projects
Roberto Velasteguí Mechanical Eng. Quito, Ecuador
Drafter (Summer 2003)
• Disassembled, measured, and drafted machines
Kingsford High School Kingsford, MI
Math Tutor (September 2001 to May 2002)
• Taught math to a learning disabled student

Computer Skills **Operating Systems** – Windows, Basic UNIX, Basic Dos
Software – AutoCAD, MathCAD, Visio Technical, MS
Word, Excel, PowerPoint, Star Office

Accomplishments
Musical
Organist/Pianist – Played Christmas Masses
Bassoonist – Dickinson County Community Band
Solo & Ensemble Skills – Top Marks at State & Local Levels (Vocal solos/groups & Piano duets)
Departmental Award for Chorus – National Choral Award
Lead Role in Dickinson County Community Theater – Played Matt in the Fantasticks
Sports
Soccer Coach – Coached U12 to U14 Futsal teams & U14 traveling competitive soccer teams
Referee – Soccer Association for Youth
Instrumental in Initiating a High School Soccer Team
Participated in Traveling Soccer Teams – Played for Northern Starts & Howard Hurricanes