Ann Arbor, MI 48104

TEL: 734 998-3547
John.Parejko@alumni.carleton.edu

John Kenneth Parejko

Work Experience

September 2002-Present

Programmer/Research Assistant for INMS team on Cassini/Huygens mission to Saturn. Space Physics Research Laboratory, University of Michigan, Ann Arbor, MI

Summer 2001

Undergraduate Research Assistant. Space Physics Research Laboratory, University of Michigan, Ann Arbor, MI

Summer 2000

User Help Desk. Epic Systems Corporation, Madison, WI

Fall 1998-Spring 2002

Student work positions including: Student Computing help desk, mathematics tutor, folkdance instructor, research assistant (PNe spectra reduction in IRAF), laboratory assistant (Observational Astronomy). Carleton College, Northfield, MN.

Summer 1998

Assistant Programmer. Delta Technology, Eau Claire, WI

Education

Fall 1998-Summer 2002

Carleton College, Northfield MN. Bachelor of Arts: Physics. GPA 3.49

Fall 2001   Budapest Semester in Mathematics. Budapest Hungary. GPA 3.58

Fall 1994-Summer 1998

Menomonie High School, Menomonie WI. Valedictorian, GPA 4.0

Skills

Computer Skills

Programming languages
> C/C++, OpenGL, IDL, Java, HTML, Mathematica, IRAF, LaTeX, BASH shell scripting

System Administration
> Linux, Solaris, Unix based Routed/Firewalled local area network, Windows 9x, Windows 2000

Other Skills

Writing
> software documentation, test plan writing

Arts
> Violin - classical and various European fiddle styles, International folkdance

Upper level courses

Physics
> Computational Mechanics, Quantum Mechanics, Astrophysics I, Astrophysics II, Observational Astronomy, Special Project: CCD imaging, Special Project: 21cm Radio Telescope, Contemporary Experimental Physics, Integrative Exercise: Techniques of Modern Observational Astrophysics

Math
> Mathematical Structures, Ordinary Differential Equations, Functions of a Complex Variable, Algebra, Advanced Algebra, Galois Theory, Topics in Number Theory, Differential Topology (audit), Real Functions and Measure Theory (audit), Topology (audit), Conjecture and Proof (audit)

Computer Science
> Data Structures, Computer Graphics, Image Processing (audit)