Resume

Yin-Shen Chao

Institute of Information Science

Academia Sinica, Taipei, Taiwan

- **Personal Data:**
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- **Education:**
  1. B.S. in Engr., Dept. of Computer Science and Information Engr., National Taiwan University.

- **Curricular and Test Performance:**
  1. GPA: overall 3.39, Major 3.33 (please refer to Table 1), Math 3.7.
  2. GRE General: 2130 (Oct 2001), Quantitative (800), Analytical (670), Verbal (660.)
  3. TOEFL: 250 (Sep 2002), Listening (24), Structure (25), Reading (26.)

- **Professional Experience:**
  1. Full-time Research Assistant, *Inst. of Information Science, Academia Sinica (Nov 2001~Now.)*
  2. Part-time Software System Develop Engineer, *Dehwa Construction Co., (June 1999~Oct 1999.)*

- **Research Interest:**
  1. Bioinformatics (Gene network, Biopathway, Protein Folding.)
  2. Artificial Intelligence.
  3. Machine Learning (Support Vector Machines, Hidden Markov Model.)

- **Projects (at Institution of Information Science & Dehwa Construction Co.):**
  1. Remote client server database system (Project Leader, with C. –C. Cheng, D. –Y. Yu, B. –C. Liu，*Dehwa Construction Co.*)
  2. Microarray Image Analysis System (*Inst. of Information Science.*)
  3. Protein Fold Prediction via Support Vector Machines (*Inst. of Information Science.*)

- **Important Courses and Projects:**
  1. Virtual Reality (senior): Water Color Simulator (with C. –C. Cheng.)
  2. Software Engineering for Bioinformatics (senior): Multi-Class Protein Fold Recognition Using Support Vector machines and Neural Networks.
  3. Special Project (senior): 3-D Model Animation Editor.
  4. Design of Information System (sophomore): Electronic Shopping Website (with 7 other people.)
  5. Complier (sophomore): C to Java Assembly Complier (with C. -C. Cheng, P. -I. Liu.)

- **Bioinformatics Tools:**

1. Protein Sequence Analysis: Blast, PSI-Blast, Smith-Waterman alignment.
2. Protein Structure Alignment: Dali-Lite, LOCK, SSAP.
3. Database: Protein Data Bank, CATH, SCOP, Astral Compendium.

- **Professional Skills:**
  1. C, C++, Java, Pascal.
  2. Oracle Database.

- **Extracurricular Activities:**
  1. Swimming Team in National Taiwan University (Sep 1997~Jun 2001).
     Team's Captain (May 2000~ June 2001.)
  2. Complete standard triathlon in Taidong Cup Triathlon.

- **Reference:**
  1. Cheng-yan Kao
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  2. Hsiu-hui Lee
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