

# HanQin (Caesar) Cai

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## EDUCATION

*St. Norbert College*, De Pere, WI

**Bachelor of Arts** – May 2012

Double Major: Mathematics & Computer Science

Math Major GPA: 3.92/4.0    Overall GPA: 3.6/4.0

## HONORS AND AWARDS

**President**, Sigma Nu Delta (Math Club), 2010 –2011

**Senior Class Representative**, SGA Student Assembly, 2011 –2012

**Student-Faculty Development Endowment Fund Award**, 2011

**Vice President** of Sigma Nu Delta (Math Club), 2009 –2010

6 Times on Dean's List in the 7 College Semesters, St. Norbert College, since 2008

## FELLOWSHIP AND SCHOLARSHIP

**Brenda Roebke Scholarship**, Mathematic Academics Honor, St. Norbert College, 2011–2012

**George Washington Scholarship**, St. Norbert College, 2008–2012

**Leadership Grant**, St. Norbert College, 2008–2012

**International Grant**, St. Norbert College, 2008–2012

**The Premonstratensian Fathers Fund**, St. Norbert College, 2008–2012

## MATHEMATICS COMPETITIONS

**3<sup>rd</sup> Place Finish** in Math Jeopardy – MathFest – 2011

**3<sup>rd</sup> Place Finish** in Face-Off – PME Conference – 2011

**10<sup>th</sup> Place Finish** out of 66 teams in MATH Challenge – 2011

**1<sup>st</sup> Place Finish** in the Written Category of Wisconsin Mathematical Modeling Contest – 2010

**2<sup>nd</sup> Place Finish** in the Presentation Category of Wisconsin Mathematical Modeling Contest – 2010

Scored **10 Points** in Putnam Exam –2010

**4<sup>th</sup> Place Finish** in Face-Off – PME Conference – 2010

**13<sup>th</sup> Place Finish** out of 67 teams in MATH Challenge – 2010

**17<sup>th</sup> Place Finish** out of 53 teams in MATH Challenge – 2009

Scored **10 Points** in Putnam Exam – 2008

**3<sup>rd</sup> Place Finish** in the “Hope Cup” Chinese National High School Mathematical Contest – 2006

## PRESENTATIONS

“**Generalizations of the Koch Curve and Their Dimensions**” – St. John's PME Conference – 2012

“**Generalizations of the Koch Curve and Their Dimensions**” – MAA MathFest – 2011

“**Generalizations of the Koch Curve and Their Dimensions**” – St. Norbert PME Conference – 2011

“**Neither Rain, Nor Sleet, Nor Snow. What About the Internet?**” –St. Norbert PME Conference – 2010

**“Neither Rain, Nor Sleet, Nor Snow. What About the Internet?”** – Wisconsin Mathematical Modeling Contest – 2010

**“Prime Number, Mersenne Number, and Mersenne Prime – Seeking the Largest Prime”** –St. Norbert PME Conference – 2009

## **RESEARCH EXPERIENCE**

**Parameterizing the Koch Curve**, St. Norbert College Students Undergraduate Research – Present

**Generalizations of the Koch Curve and Their Dimensions**, St. Norbert College Summer Undergraduate Research Program in Mathematics – Summer 2011

## **RESEARCH PAPER**

**“Sudoku Puzzle Generator”**, *The St. Norbert College Journal of Undergraduate Mathematics*: Number 17, Spring, 2011.

**“Parameterizing the Koch Curve”** to be submitted to *The Pi Mu Epsilon Journal*, February, 2012.

## **WORK EXPERIENCE**

**Mathematics Teaching Assistant**, St. Norbert College Math Department, 2011– Present

**Computer Science Teaching Assistant**, St. Norbert College Computer Science Department, 2011– Present

**Mathematics Tutor** – CRLA Tutoring Certificate, St. Norbert College Academic Support Service Department, 2009– Present

**Computer Science Tutor**– CRLA Tutoring Certificate, St. Norbert College Academic Support Service Department, 2009– Present

**Mechanical Maintenance Assistant**, St. Norbert College Engineering and Tooling Department, 2008–2011

**Interviewer**, St. Norbert College Survey Center, 2008

## **MEMBERSHIP**

**Pi Mu Epsilon Honorary Society** – since 2010

\*This resume is dated as 04/01/2012, contact me at [caesar.cai@snc.edu](mailto:caesar.cai@snc.edu) for recently updated resume.