

PETER Y. CHENG, M.S., M.ED.

PROFESSIONAL QUALIFICATIONS AND EXPERIENCES

- Over twelve years of high school and middle school teaching and tutoring Mathematics, Science, and STEM (Science, Technology, Engineering, and Mathematics (STEM))
- Member of the National Science Teachers Association (NSTA) formulating STEM and NGSS activities
- Common Core and Next Generation Science Standards (NGSS) instructions
- Online and Blended Learning implementation
- Two California Single Subject Teaching Credentials in Mathematics and Science
- Over twenty years in the computer and semiconductor industries as design engineer, director of engineering, vice president of engineering, and entrepreneur.
- Founding member of several high-tech companies in the Silicon Valley

TUTORING

- High School and Middle School Math and Science Subjects
- Math Subjects: AP Calculus AB and BC, Pre-Calculus, Algebra I and II, Geometry, AP Statistics
- Science Subjects: AP Physics I and II, Honors and Regular Chemistry

CARDEN DAY SCHOOL OF SAN JOSE

8/2014 - 6/2017

SCIENCE AND COMPUTER TEACHER

- Teach 5th through 8th Grade Science and Computer
- Establish STEM activities at all class levels

KNO/GALXYZ - MOUNTAIN VIEW, CA

9/2013 - 4/2014

CONTRACTOR

- Developed Physical Science course contents and engineering design activities based on the Next Generation Science Standards (NGSS) to go with educational games for elementary, middle, and high schools.

LEGEND COLLEGE PREPARATORY - CUPERTINO, CA

6/2012 - 9/2013

DEAN OF ACADEMICS; MATH AND SCIENCE TEACHER

- Cofounder
- Developed course curriculum and academic activities based on online and blended learning
- Teach high school and middle school math and science subjects of different levels

MILPITAS HIGH SCHOOL - MILPITAS, CA

8/2011 - 6/2012

Engineering and Technology Academy Teacher

Taught 9th through 12th grade Engineering Courses

- Planned and executed lesson plans from introduction to engineering to advanced engineering concepts for the different areas of engineering careers.
- Prepared students for success in postsecondary education and employment.

MENLO-ATHERTON HIGH SCHOOL - ATHERTON, CA

Long term Substitute Mathematics Teacher

2/2011 - 6/2011

Taught 9th grade Algebra-1 and 10th grade Integrated Mathematics

GUNN HIGH SCHOOL - PALO ALTO, CA

8/2009 - 6/2010

Long-Term Substitute Mathematics Teacher

Taught Algebra-1A (Advanced) classes

- Prepared lesson plans that incorporated differentiated instruction to engage students in every step of the lesson. Provided curriculum alternatives to motivate gifted students.
- Took on the role as co-adviser of the local Gunn Chapter of the FBLA (Future Business Leaders of America) National Organization. Initiated the formation of an Entrepreneurship Club.

OTHER PROFESSIONAL EXPERIENCE

WIREGATE TECHNOLOGY - SANTA CLARA, CA
Founding Member and Vice President of Engineering

2002 - 2008

INTEL, HEWLETT PACKARD, AND OTHERS
Design Engineer, Director, Vice President and other Engineering Positions

EDUCATION & CREDENTIALS

Master of Arts in Education (GPA 4.0/4.0)
University of Phoenix, San Francisco, CA

Engineering Management Program (GPA 3.8/4.0)
Stanford University, Stanford, CA

Master of Science in Electrical Engineering (GPA 3.9/4.0)
University of Pennsylvania, Philadelphia, PA

Bachelor of Science in Electrical Engineering (GPA 3.9/4.0)
Washington State University, Pullman, WA

Summa Cum Laude, High Scholarship Roll, President's List, Honors Program Completion with Highest Honor

California Teaching Credentials

- **Single Subject Mathematics, issued April 2009**
- **Single Subject General Science and Physics, issued December 2010**
- **Career Technical Education (CTE), issued September 2011**

INTERESTS AND ACTIVITIES

Member, Tau Beta Pi, National Engineering Honor Society
Member, Phi Kappa Phi, National Collegiate Honor Society
Member, CTA (California Teacher Association)
Judge, Synopsys Championship Science and Engineering Competition since 2012
Life Member, Stanford Alumni Association