

Mark J. Sidarous

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OBJECTIVE:

Seeking to teach students in Computer Science via 21st century techniques.

EDUCATION:

Graduate:

- May 2012 - Masters of Educational Administration from the University of Illinois at Champaign-Urbana
- May 2007 - Masters of Secondary Education from the University of Illinois at Champaign-Urbana

Undergraduate:

- May 2002 - Bachelor of Science in Cell Biology from the University of Illinois at Champaign-Urbana

Certification:

- National Board Certified Teacher - Adolescence and Young Adulthood
- Illinois State Board of Education Professional Educator License (ID 2026964) Endorsements:
Computer Science, General Administrative, High School Science (Biology, Chemistry, Environmental Science), Middle School Science (General, Biological, Physical Science),
- Google Certified Educator, Levels 1 & 2, Certified Trainer (first Google Certified Trainer in Chicago), Khan Academy Ambassador, Microsoft Innovative Educator, Google Cloud Certified in G Suite

RELEVANT COURSEWORK:

Advanced Topics in Biology (Genetics, Cell Bio, Microbio, Evolution, Biochem, Computational Bio), Computer Science courses (Programming 1 & 2, Computer Networks, Web Development, Teaching CS in the Secondary 1 & 2, Java, C++, Discrete Math, Data Structures), Secondary Ed Courses (Special Ed, Ed Psychology, Equity in Math and Science, Sci Methods, Tech, Assessment, Racial and Ethnic Families in Education, Educational Technology, Literacy in Science), Ed Admin Courses (Instructional Supervision, Ed Law, Finance, Reform, Technology)

WORK EXPERIENCE:

September 2019- **STEM and Computer Science Teacher**

Present

Ted Lenart Regional Gifted Center, Chicago Public Schools, Chicago IL

- Piloted the Scratch Encore course in partnership with the University of Chicago and CMU Computer Science Academy curriculum in partnership with Carnegie Mellon
- Created science and engineering projects to engage students in multidisciplinary learning in collaboration with science, math and language teachers at the school
- Supported remote learning for the faculty with daily trainings on technology tools
- Created several district wide documents on the use of technology such as Google Meet
- Hosted an after-school Video Game Design club using Twine and Construct3 and piloted a Minecraft after-school club for a new district initiative
- Coached learners in the Chicago Student Invention Convention - Lenart students earned 2nd place in the K-3 category
- As technology coordinator, managed school computers and supported teachers
- Led a workshop series on technology in education for Lenart faculty

September 2006- **High School Computer Science, Biology, and Chemistry Teacher**

June 2019

Community Links High School (CLHS), Chicago Public Schools, Chicago IL

- As computer science teacher, advocated for the inception of Exploring Computer Science at our school and served as a pilot school for the district
- As science department head, mentored new science teachers at our school and other neighborhood schools in standards based instruction and classroom environment
- As technology coordinator, designed and administrated school's website at <http://comlinks.cps.edu>, collected, analyzed and distributed student data to teachers, administrated user accounts and managed all school computers

- As a member of the Instructional Leadership Team, collaborated to craft school wide instructional mission, vision and policy, including the school's Continuous Improvement Work Plan (CIWP) and Multi-Tier System of Supports (MTSS) plan
 - Developed three performance tasks in Chemistry for the district-wide REACH (Recognizing Educators Advancing Chicago) evaluation system for teachers
 - Transitioned our school to G Suite for Education during pilot program in 2008
 - Acquired external funding from multiple sources to transition our school from a single computer lab to a one device per student (1:1) computing environment in 3 years
 - Collaborated on several grants to fund the construction of two science laboratories at our school to support student learning in science
 - Created and led a weekly workshop series on technology in education at CLHS
 - Presented to hundreds of teachers at science meetings at the district level
- June 2017-
Present
- Professional Development Instructor**
Chicago Teachers Union, Chicago IL
- Created and facilitated PD to introduce teachers to educational technology
 - Received positive reviews and feedback then revised PD to better meet teacher needs
 - Worked with instructors to design and iterate on materials to promote PD sessions
 - Managed the CTU professional learning website and learning management system
- June 2006-
September 2006
- Instructor with the Office for Math, Science, and Technology Education (MSTE)**
University of Illinois, Urbana IL
- Gave summer seminars to teachers on technology use in the classroom
 - Provided general support with a focus on biology education
- August 2005-
June 2006
- Integrative Biology 100 Instructor**
University of Illinois, Urbana IL
- Taught discussion sections of introductory biology course for non-majors
 - Worked with undergraduates in one-on-one tutoring sessions
- January 2005-
June 2005
- Teacher Aide in Special Education Classroom**
Pleasant Acres Elementary School, Rantoul IL
- Assisted teacher in preparing activities for students
 - Worked in a classroom composed of students with disabilities and at-risk students
- June 2008 -
August 2008
- Chicago Science Teacher Research Fellow**
University of Illinois at Chicago, Chicago IL
- Conducted research under Dr. Kenneth Brezinsky, Professor of Chemical Engineering
 - Wrote scholarly paper on Plasma-Assisted Synthesis of Molybdenum Carbide Catalyst
- August 2002-
February 2005
- Resident Specialist in Agriculture**
University of Illinois, Urbana IL
- Administrative lab manager duties: ordering, computer and equipment maintenance
 - SQL and Perl programming to model evolutionary trends of protein complexity
 - Published scholarly paper in BMC Genomics on the production of microarrays
 - Wrote software to manage robotic production of soybean DNA microarrays
 - Wet lab procedures: microarray hybridization, electrophoresis gels
 - Class (Crop Sciences 205) administration and assistance
 - Systems and database maintenance

ACTIVITIES AND HONORS:

- Published two scholarly papers, one on soybean microarrays and another on synthesis of molybdenum carbide
- Recipient of Chicago Public Schools' Annual DRIVE (Delivering Results through Innovative and Visionary Education) Award for Excellence in Teaching, and winner of Chicago Public Schools "CS Fresh" Award
- Member of CPS Computer Science Advisory Council
- Coursework in Spanish and Arabic languages
- Proficient in playing piano, French horn, mellophone, bass guitar, and vocals

REFERENCES FOR MARK SIDAROUS:

Andrew Rasmussen, Project Developer for the Office of Computer Science at Chicago Public Schools, 42 W Madison, Chicago, IL 60602. (616)648-0132. arasmussen@cps.edu.

Angela M. Sims, Principal at Ted Lenart Regional Gifted Center, 8101 S La Salle St, Chicago, IL 60620. (773)535-0040. amsims@cps.edu.

Carlos Azcoitia, Professor at National Louis University, Former Deputy Chief Education Officer in Chicago Public Schools and Former Principal at Community Links High School, 2400 S. Marshall Blvd. Chicago, IL 60623. (312)261-3121. carlos.azcoitia@nl.edu

Francisco A. Borrás, Principal at Spry Community Links High School, 2400 S. Marshall Blvd. Chicago, IL 60623. (773)793-4779. faborras@cps.edu

Kyla Maletsky, STEM Mentee Teacher at Spry Community Links High School, 2400 S. Marshall Blvd. Chicago, IL 60623. (719)325-6186. kmaletsky@cps.edu

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