

Akkady Tchaba

Computer Science Department
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Education:

- 2016 M.S., Computer Science, Northeastern Illinois University. Chicago IL, Achieved 3.6 GPA.
 - 2011 B.S., Computer Systems Engineering, Mamoun Private University. Syria.
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Work Experience:

Northeastern Illinois University

Instructor, Computer Science Department. August 2016 - Present

- Enhance student engagement for learning science through maintaining collaborative learning classroom environment.
- Plan, design and revise syllabi curriculum instruction content and other materials as required.
- Identify the educational needs of freshmen students, developing formal educational or training programs or classes, and teaching or instructing freshmen.
- Empower students and increase their potentials of success in the CS field by exposing them to project-based activities.
- Teach programming languages and problem-solving algorithms to prepare students to enroll for graduate studies in Computer Science.
- Teach Event-Based Programming.
- Courses Taught:
 - Creative Problem Solving, CS101
 - Programming I, CS200
 - Programming II, CS207
 - Data Structures, CS304
 - Modern Database Management, CS315
 - Event-Driven Programming, CS317
 - Handful number of classes for **CS4All Chicago Public Schools high school teachers** seeking a computer science endorsement via the joint NEIU/ISU TECS program.

<https://tecs.illinoisstate.edu/resources/teachers/pathways/chicago/>

Google Faculty In Residence 2019

June 2019

- A professional development program that engages CS faculty serving underrepresented populations in tech at Google's headquarter in Mountain View, Calif., the program offered an immersive learning experience to explore hands-on, project-based learning workshops.
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Google CSSI-Extension

July 2019

- Part of the teaching team that is implementing the partnership between NEIU and Google CSSI-Extension team.
 - Expose rising freshmen to key Computer Science concepts. Over three weeks they are given the knowledge and tools to tackle challenging CS problems, culminating in a team project to create an application that they present to their cohort.
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Northeastern Illinois University

Graduate Assistant, Computer Science Department. August 2014 – May 2016

- Grad assistantship, work with Computer Science students to help them understand the concept of programming languages and improve their problem-solving skills.
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Workshops

- May 2019, Google Cloud Platform Day, Chicago IL.
 - May 2019, Google Cloud HPC Day, Chicago IL.
 - Jul 2018, CAHSI-Google Problem Solving Workshop. Austin, TX.
 - Oct 2018, Google Recruitment Workshop, Northeastern Illinois University, Chicago, IL.
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Presentations

- Apr 2018, Rhys Gunther, Akkady Tchaba, Rachel Trana. The PEERS project: Engaging Undergraduate Computer Science Students through Research Modules. Northeastern Illinois University 26th Annual Student Research and Creative Activities Symposium. Chicago, IL. (NSF Grant)
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Conferences

- July 2019, Google Cloud Summit, Chicago IL.
 - Oct 2018, Mentored NEIU students at the HENAAC 30th conference, Old Pasadena CA.(Travel Scholarship)
 - Dec 2018, Google-CSTA CS Ed Week celebration, Chicago IL.
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Research Experience

- (On-going Research): PASS (Programming I Assessment for Student Success at NEIU). The project involves the Computer Science Department and introductory CS-200 Programming I courses (also known as CS1 courses). The study aims to assess and improve student preparedness for programming through the development of a fundamental skills assessment test prior to taking Programming I.
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Technical Qualifications

Programming Languages

- JAVA, C, C++, C#, PHP, PYTHON, JAVASCRIPT, JQUERY.

Operating Systems:

- Microsoft Windows 7/8/10, Mac OS, Android.
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Key Skills and Competencies

- Leadership.
 - Group Work.
 - Analytical Thinking
 - Excellent communication and social skills.
 - Able to work to tight deadlines.
 - Highly skilled in Word, Excel and Microsoft Outlook.
 - Willing to travel and able to work under pressure.
 - Able to do priorities work.
 - Familiar with translation software tools.
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Technical Skills

- MySQL.
 - HTML.
 - Adobe Photoshop Image processing.
 - Microsoft Office.
 - Web development.
 - Video Editing.
 - Electrical Devices.
 - A social network and website administrator 2007 – January 2016.
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Languages

- English: Fluent.
- Assyrian: Native Language.
- Arabic: Native Language.