

# Akkady Tchaba

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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:
  - Programming I, CS200
  - Programming II, CS207
  - Data Structures, CS304
  - 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/>
- Current Courses:
  - Creative Problem Solving, CS101(Spring 2019)

## **Google CSSI-Extension**

Summer 2019

- Part of the teaching team that will be 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.

## **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**

- 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**

- Oct 2018, Mentored NEIU students at the HENAAC 30<sup>th</sup> 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.