ACCELERATED SOFTWARE

Engineering Apprenticeship Program

(ASEAP) a program by C4ITA

Center for IT Talent Acceleration (a not-for-profit org)

What is ASEAP?

ASEAP is an employer sponsored 4-year apprenticeship program for software field.

Years 1 and 2:

Curriculum - Front-load 4-year college level "core" software engineering courses into the first 2 years of education thru a local community college.

Earn while you learn – While studying, work 20 hrs /week for the sponsoring employer.

Years 3 and 4:

Full time employment with the sponsoring employer in the software field.

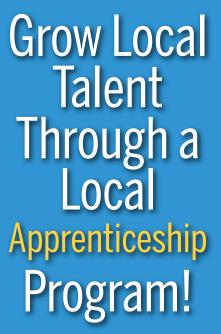| 4-Year ASEAP Program			4-Year Traditional College
Year 1 & 2	Up to 20 Computer Science Core Courses	Paid Apprenticeship 20hr/week	Up to 20 Computer Science Core Courses
Year 3 & 4	Full-time Employment		
No $tudent Debt			**$tudent Debt**

Why Employers Join ASEAP?

- Recruit qualified candidates fast!
- Gain faster cultural alignment
- Increase utilization, while reducing time and cost of new employee onboarding
- Encourage employee retention
- Contribute to the development of their local communities

Why Students join ASEAP?

- Leverage their passion for Software Development
- "Earn while you learn" model allows for simultaneous work and study in software field
- Benefit from a 2-year accelerated pathway to a future high value career
- Gain 4 years of work/education experience in their chosen field
- No student debt at end of this 4-year program!

Grow Local Talent Through a Local Apprenticeship Program!

Magnitude of Talent Shortage:

There is a huge gap of 8 jobs for 1 Software Engineer produced by our 4-year universities

Illinois - Demand 20,213 vs Supply 2,232
USA - Demand 484,452 vs Supply 61,642

(Source: 2017 data @ www.code.org)

C4ITA
Center for IT Talent Acceleration

Program Overview

SUMMER 2020	Soft Skills, Life Skills, Financial Skills, and MS Office Skills training		

	College Term	Job Duties* (20 hr/week)	Utilization / Progression
YEAR 1	FALL 2020	Software Testing and Documentation	Quick way to learn about employer's systems and applications
	SPRING 2021	Business Analysis, SDLC, and Front-end Development	Learn to engage users and understand organization needs
	SUMMER 2021	Technical help desk	Provide Tier 1, 2 and 3 support
YEAR 2	FALL 2021	Back-end Development	Core computational logic of the software
	SPRING 2022	Full-stack Development and System Architecture	End-to-end projects
YEAR 3	NO COLLEGE	Full time employment in software field with sponsoring employer	
YEAR 4	NO COLLEGE	Full time employment in software field with sponsoring employer	

*Job Duties may vary based on employer's business needs

About C4ITA:

Center For Information Technology Talent Acceleration (C4ITA) is a not-for-profit organization, founded to address the chronic and pervasive imbalance between supply and demand of information technology talent in the marketplace.

C4ITA flagship Initiative is to grow "diverse" local talent through our **"Accelerated Software Engineering Apprenticeship Program" (ASEAP).** Our primary goal is to create 500 software engineers in 5 years for "each county" in the Chicagoland area through the ASEAP model via a public-private partnership.

At ASEAP, we also have a passionate goal to increase the percent of women computer science/software engineering graduates, above the state level average of 16%. (Source: 2017 data @ www.code.org/advocacy/state-facts/IL)

www.c4ita.org

ASEAP Technical Tracks:

Semesters 1-3: Learn 'core' software engineering skills

Semester 4: Choose one of these specialization tracks to gain advanced knowledge:
- Enterprise level programming
- Embedded system programming
- User Experience programming (UI/UX)

Partner College:

Wilber Wright College
@City Colleges of Chicago
4300 N Narragansett Ave, Chicago, IL 60634

Program Timelines for 2020:

Spring:	Recruit High School Seniors and Employers
Summer:	Orientation, summer classes, and soft skills
Fall:	Classes and paid apprenticeship begins

Geographic coverage:
Cook County and surrounding suburbs

Want to know more? or join us?

Employers: Fill out the interest form on **http://bit.ly/c4ita-employer-info** or email: **admin@c4ita.org**

Eligibility: Any size employer that has current staff to mentor the apprentice with Software Development duties.

Students: Fill out the interest form on **http://bit.ly/ASEAP_Student_Application** or email: **admin@c4ita.org**

Eligibility: Current High School Seniors from graduating class of 2020.