

Computer Science at Eastern: Machine Learning with Python

Garrett Dancik, PhD

Admitted Student Decision Day

Eastern Connecticut State University

Department of Computer Science

March 26, 2022



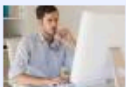


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<http://gdancik.github.io/ASDD/>

Occupational Outlook – Data from the Bureau of Labor Statistics






(<http://www.bls.gov/ooh/computer-and-information-technology/home.htm>)



	OCCUPATION	JOB SUMMARY	ENTRY-LEVEL EDUCATION	2020 MEDIAN PAY
	<u>Computer and Information Research Scientists</u>	Computer and information research scientists design innovative uses for new and existing computing technology.	Master's degree	\$126,830
	<u>Computer Network Architects</u>	Computer network architects design and build data communication networks, including local area networks (LANs), wide area networks (WANs), and Intranets.	Bachelor's degree	\$116,780
	<u>Computer Programmers</u>	Computer programmers write and test code that allows computer applications and software programs to function properly.	Bachelor's degree	\$89,190
	<u>Computer Support Specialists</u>	Computer support specialists provide help and advice to computer users and organizations.	<u>See How to Become One</u>	\$55,510
	<u>Computer Systems Analysts</u>	Computer systems analysts study an organization's current computer systems and find a solution that is more efficient and effective.	Bachelor's degree	\$93,730

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	<u>Database Administrators and Architects</u>	Database administrators and architects create or organize systems to store and secure data.	Bachelor's degree	\$98,860
	<u>Information Security Analysts</u>	Information security analysts plan and carry out security measures to protect an organization's computer networks and systems.	Bachelor's degree	\$103,590
	<u>Network and Computer Systems Administrators</u>	Network and computer systems administrators are responsible for the day-to-day operation of computer networks.	Bachelor's degree	\$84,810
	<u>Software Developers, Quality Assurance Analysts, and Testers</u>	Software developers design computer applications or programs. Software quality assurance analysts and testers identify problems with applications or programs and report defects.	Bachelor's degree	\$110,140
	<u>Web Developers and Digital Designers</u>	Web developers create and maintain websites. Digital designers develop, create, and test website or interface layout, functions, and navigation for usability.	Bachelor's degree	\$77,200

[Wages](#)[Wages by Institution+Program](#)[Wages by Program](#)[Wages by Race-Ethnicity](#)[Data Table](#)**Select 3 year span**

2017-18 thru 2019-20

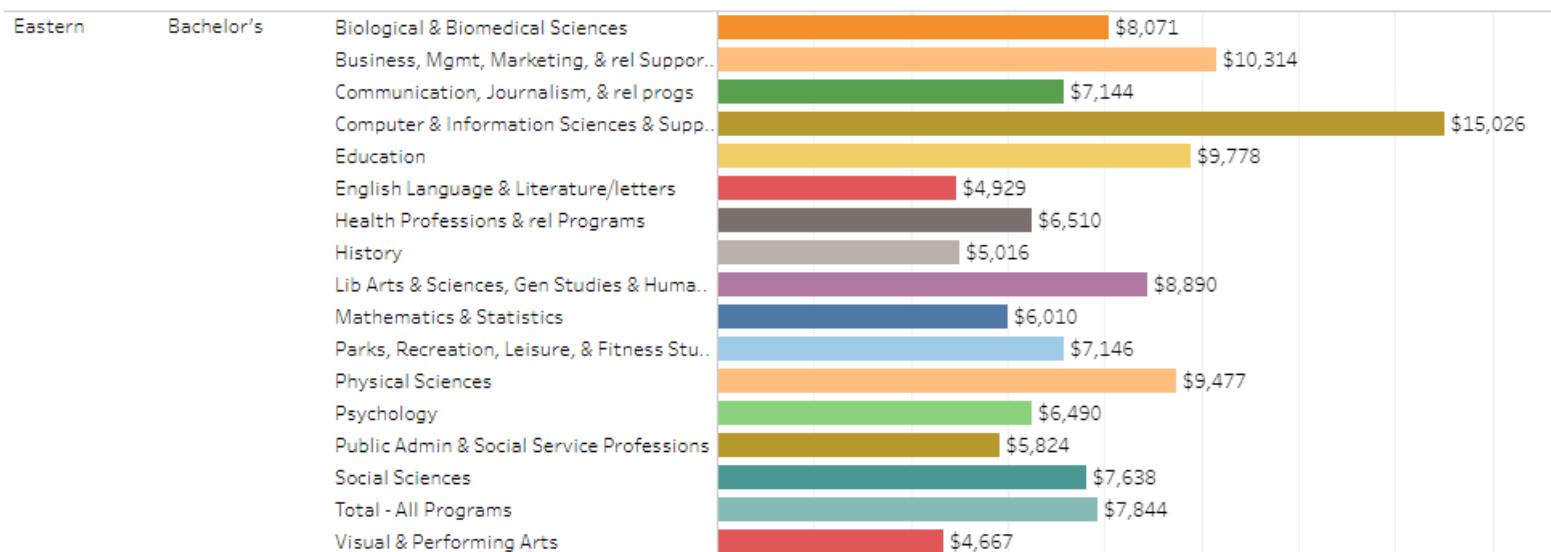
Select institutions

Eastern

Select credentials

Bachelor's

Median wages earned in the 3rd quarter after graduation - by institution



<https://portal.ct.gov/OPM/P20Win/Visualizations>



- The Computer Science degree program at Eastern Connecticut State University provides students the **foundations and skills for future work and careers in computing.**
- Upon graduation, students will:
 - Possess **practical and theoretical knowledge of computer science** sufficient to work professionally and contribute to the regional and global economic development.
 - Be able to **apply computational techniques to design and implement solutions to real-world problems.**
 - Be prepared **for advanced education in computer science and continued professional development.**
 - Possess the skills and the intellectual abilities that will enable them to **adapt in the ever-changing field of computer science.**
- Computer Science major Requirements
 - <http://www.easternct.edu/computer-science/>

Any Questions?

- Contact:
 - dancikg@easternct.edu
 - <http://gdancik.github.io/>