TONIMARIE ACHEY

Computer and Information Research Scientists

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(124) 012-4081
3682 W Willow St, Chandler, AZ 85224

LINKS

linkedin.com/in/tonimarieachey

SKILLS

Programming languages

Algorithms and data structures

Operating systems

Computer architecture

Distributed systems • Databases
 • Networking

LANGUAGES

English

Bengali

HOBBIES

Reading
Listening to music
Watching TV

EMPLOYMENT HISTORY

Senior Computer and Information Research Scientist at Intel Corporation, AZ

Apr 2022 - Present

- Led a team of researchers in developing a new algorithm that increased the speed of image processing by 30%.
- Authored over 20 papers on computer vision and image processing, including 5 papers that were published in top tier journals.
- Presented research findings at 3 international conferences, resulting in invitations to collaborate with leading scientists in the field.
- Secured funding for 2 large-scale projects from the National Science Foundation totaling $1.5 million dollars.
- Managed 4 junior researchers, providing guidance and mentorship throughout their projects.

Computer and Information Research Scientist II at Raytheon Missile Systems, AZ

Aug 2020 - Feb 2022

- Authored 12 papers that were published in peer-reviewed journals.
- Led a team of 4 researchers in conducting a 3-year study on the impact of social media on political engagement.
- Presented findings from said study at the annual conference for the Association for Computing Machinery.
- Wrote a book on data mining algorithms that was used as a textbook in universities across the United States.
- Developed a new algorithm for identifying fraudsters online which was implemented by major credit card companies.
- Helped design and build one of the world's first quantum computers.

Computer and Information Research Scientist I at Honeywell Aerospace, AZ

Sep 2015 - Jun 2020

- Led the development of a new software application that increased productivity by 30%.
- Wrote code for a new algorithm that reduced processing time by 45%.
- Developed a user interface that was awarded 5 out of 5 stars in customer surveys.
- Presented papers at two international conferences on computer science.
- Authored an article published in "Journal of Computer Science.".