Barbara J. Hawkins

Computer Engineer Specializing in Embedded Systems

Detail-oriented computer engineer with 5+ years of expertise working with embedded systems, artificial intelligence, machine learning, and automation technologies. Increased multiply-accumulate performance on proprietary DSP algorithms by 5% through system and chip analysis revamp. Seeking to leverage first-hand experience with driverless car technology and integrated systems to become the lead computer engineer at Alset Automotive Technologies.

Experience

2016-12 – 2019-07

Embedded Systems Computer Engineer
Artificial Mobility Systems & Design, Cincinnati, OH

Key Qualifications & Responsibilities
- Oversaw design, development, and upgrades to system-on-chip devices and Internet-of-Things (IoT) electronics.
- Developed testing methods of prototypes to be used in driverless vehicles, AI assistants, and other commercial endeavors.
- Supervised attributes of microprocessor and microcontroller design to ensure performance, accuracy, and cost-effectiveness.

Key Achievements
- Located 5 incompatibility issues overlooked by QA team before products hit the market.
- Increased multiply-accumulate performance on proprietary DSP algorithms by 5% through analysis overhaul.

2014-06 – 2016-11

AI / ML Computer Engineer
IoT Research Associates of Ohio, Cincinnati, OH

Key Qualifications & Responsibilities
- Developed artificial intelligence and machine learning products, software, and other solutions for commercial, industrial, and educational purposes.
- Tweaked deep-learning systems and associated algorithms for better natural language processing and delivery.
- Designed and conducted research experiments to test theories for improved performance.

Education

2014

Bachelor of Science in Computer Engineering Technology
Old Dominion University, Norfolk, VA

Relevant Coursework: Computer Engineering Fundamentals, Wireless Communications & Networking, Computational Algorithms, Natural Language Processing, Internet-of-Things Devices, Data Protection & Security, Software and Hardware Engineering.

Certificates

Certified Master of Electrical and Computer Engineering (CSU)

Certified Information Systems Security Professional (CISSP)

Memberships

Association for Computing Machinery (ACM)

Personal Info

Phone
(513) 952-5653

E-mail
barbara.hawkins@gmail.com

LinkedIn
linkedin.com/in/barbarahawkins

Skills

Artificial Intelligence (AI) & Machine Learning (ML)

Deep Learning for Java (DL4J) toolkit

Computational Research & Development

Classification Algorithms

Edge Computing

Teamwork

Languages

Greek
Basic Conversational Proficiency

[Computer Engineering Sample Resume](#)

Paul Rallion

Computer Engineering Sample Resume:

Graduating Engineer & Computer Careers ,2004   Expert Resumes for Engineers Wendy S. Enelow,Louise Kursmark,2009 Expert Resumes for Engineers features an impressive collection of more than 180 pages of professionally written resume samples for all of the most prevalent types of engineers including civil mechanical industrial electrical electronics computer and more Plus top professional resume writers Enelow and Kursmark share tips and strategies for writing outstanding engineering resumes and finding the best jobs   **My COMPUTeachER, The Computer Book for Everyone** Paul Rallion,2012-02-25 No matter what your background is this book has something to offer From computer basic concepts to online productivity and from basic drawing to movie editing this book provides an insight to a wide variety of computer programs Whether you would like to read more about software to increase your productivity or just for fun this book is for you The handouts and post activities presented here have served to introduce and enrich many computer applications In My COMPUTeachER author Paul Rallion shares an entire coursework that he has built from scratch in the last 15 years as a computer instructor at the elementary middle school and adult education levels This collection can now be yours to use and enjoy   Communication Daniel M. Dunn,Lisa J. Goodnight,2016-05-23 Communication Embracing Difference 4e stresses the importance of understanding and celebrating difference as a means to becoming a more effective communicator This text describes basic communication theory in everyday non technical terms and offers students an abundance of opportunities to analyze understand practice and apply skills to real life situations presented in the book and encountered in their own daily lives Communication Embracing Difference emphasizes the practical application of communication skills in interpersonal small group and public settings which will help students become more confident and successful communicators Targeting both mainstream students and non traditional students who range widely in age ethnicity race religion sexual orientation social roles and socio economic status this text is designed with an overall approach that resonates with the diverse student populations making up so many campuses today   The 22nd International Conference on Information Technology-New Generations (ITNG 2025) Shahram Latifi,2025-05-08 This book covers technical contributions that have been submitted reviewed and presented at the 22nd annual event of International conference on Information Technology New Generations ITNG The applications of advanced information technology to such domains as astronomy biology education geosciences security and health care are among topics of relevance to ITNG Visionary ideas theoretical and experimental results as well as prototypes designs and tools that help the information readily flow to the user are of special interest Machine Learning Robotics High Performance Computing and Innovative Methods of Computing are examples of related topics   *The Resume.Com Guide to Writing Unbeatable Resumes* Rose Curtis,Warren Simons,2004-04-19 The first step to getting a great job is writing a great resume This book will be your first step   Engineering, Science, and Computer Jobs ,1987   Graduating Engineer ,1990   **Engineering, Science, and**

Computer Jobs 1987 Chirstopher Billy,1986　Expert Resumes for Computer and Web Jobs Wendy S. Enelow,Louise Kursmark,2005 Dozens of professional resume writers share their secrets and sample resumes for landing the fastest growing and highest paying jobs in the computer and online industries showing readers how to present technical skills in reader friendly language that employers demand Includes over 180 pages of sample resumes targeted to high tech jobs from entry level to executive　*The Computer Professional's Survival Guide* Alan R. Simon,1992 A career road map for every computer professional Profiles of successful professionals and their careers provide keys to staying ahead of the game in the information industry　**Peterson's Guide to Engineering, Science, and Computer Jobs, 1983** Sandra Grundfest,1983

Silicon Valley Engineer ,1990　**Computer Design** ,1979　*Computerworld* ,1976-03-15 For more than 40 years Computerworld has been the leading source of technology news and information for IT influencers worldwide Computerworld s award winning Web site Computerworld com twice monthly publication focused conference series and custom research form the hub of the world s largest global IT media network　**How to Score a Date with Your Potential Employer** Yolanda M. Owens,2010-11-15 Have you ever thought about how much dating and looking for a good job have in common With both you must put yourself out there so you can be seen Ultimately you want someone to date interview and hire you None of this is simple and a job seeker must wear the perfect outfits chat comfortably and make an excellent first impression to get a second date Luckily there are tactics and strategies to help you win the attention of hiring managers With this guide youll learn how to create the ideal profile through your rsum ways to establish your job type steps to scoping out the territory the best places to practice your pickup lines what not to do during interviews sample cover letters and resumes Apply the strategies you need to win the attention of the employers of your choiceregardless of whether that company reminds you of the boy or girl next door or someone exotic and seemingly unattainable Navigate the job scene and land the job of your dreams with strategies and information that show you How to Score a Date with Your Potential Employer　**Résumés in Cyberspace** Pat Criscito,2000 Updated to help job seekers take full advantage of the latest cyberspace trends and technology this book provides detailed instruction on designing a resume for computer networking Readers will learn to make their resume attention catching scannable and effective in helping them get that job they re seeking They ll also find advice on using the World Wide Web and a variety of commercial on line services to find and land career positions

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