

Key to Your Success; Things to Know Before You Graduate

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Education



Montclair State University
B.S. in Mathematics



State University of New York
M.S. in Computer Science
Ph.D. in Computer Science

Career



New York State Police
Sr. Software Engineer
2008 - 2013



Blackhawk Network
Staff Engineer
2016 - Present



Ztar Mobile
Sr. Software Engineer
2014 - 2016



Alliance of Technology and Women
Director, Professional Development
Committee
2014 - Present



Poland
to
United States

Moving to a foreign country

- Language barrier - social aspect
- The depth of cultural differences
- Travelling/moving back to your country of origin
- Applying for a green card



Montclair State University
to
State University of New York



Getting your degree

- Try something new early
- Choose your adviser
VERY wisely –
academic/personality
match
- Know the fundamentals
very well
- Technology jobs pay very
well



State University of New York
to
New York State Police



- 16 organizations in the CS department alone
- Off-campus organizations – attend more than once
- LinkedIn Connections – make them in advance
- Network before you need something
- Pay it forward

Off campus organizations

- Alliance of Technology and Women (DFW*ATW)
- High-Tech High Heels (HTHH)
- Women in Technology International (WITI)
- Empowering Women Leaders – Dallas Chapter



Applying for your new job

- Enhance your resume
- ALWAYS negotiate your salary
- Accept a job that you are not ready for
- Have a LinkedIn presence

Resume tips

- Pay attention to spelling and punctuation
- Switching fields - add a cover letter with details
- Keep up with new formats of resumes
- Coming back to the workforce
- 2 minute rule
- Do not put skills that you cannot back up with projects
- Do not put LLCs that did not succeed



EWA MUSIAL

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SENIOR SOFTWARE ENGINEER

Innovative senior software engineer with 7 years of experience in programming software applications, distributed systems, data migrations and SaaS applications. Solid experience in n-tier Java application development, web-services. Flexible and enthusiastic about learning new technologies and solving complex problems.

- SOFTWARE DESIGN & DEVELOPMENT
- SERVICE-ORIENTED ARCHITECTURE (REST, SOAP)
- AGILE /WATERFALL
- ARCHITECTURE
- REQUIREMENTS
- DESIGN PATTERNS
- DATA MINING
- ALGORITHM DESIGN
- ETL PROCESSES

TECHNOLOGIES

Programming/Markup Languages:	Java, C++, C, HTML, SQL, XML, LaTeX
Frameworks:	Hibernate, Spring, Node.js (beginner)
Web Application Technologies:	JSP, JSF, jQuery, AngularJS (beginner)
Web Services:	RESTful, SOAP
Web/Application Servers:	Glassfish 4.1, Web Sphere 6.1/8.0, Tomcat 5.5/6.0
Build Tools:	Apache Ant, Maven
Databases SQL:	MySQL, Oracle, Microsoft SQL Server, Access
NoSQL databases:	MongoDB, CouchDB
Data Quality Assessment:	Talend Data Quality, Quick Assess
ETL tools:	Talend Data Integration
Bug Tracking Tools:	JIRA, Mercury Quality Center, Bugzilla
Development Tools:	IntelliJ, Eclipse,
Test-Driving Development Tools:	JUnit
Version Control:	SVN, Git

PROFESSIONAL EXPERIENCE & ACCOMPLISHMENTS

Ztar Mobile, Colleyville, TX

Sept. 2014 - Present

SENIOR SOFTWARE ENGINEER

Redesigned and implemented solutions for SaaS applications.

- Designed and implemented RESTful web services as a part of the SaaS solution for the mobile virtual network operators (MVNOs), improving the flexibility and robustness of the projects.
- Redesigned a prepaid credit cards application to take advantage of the RESTful web service using Agile methodology, cleaning the code and introducing the fraud controls.
- Introduced a culture that embraces unit testing using JUnit and black box testing for existing and new web services.
- Created a number of Perl reports, supporting the customer service team.

www.linkedin.com/in/emusial



Jane Doe

Junior Architect

A strong believer in the ability of the architecture and research combined with design thinking for strengthening our societies and having a positive effect on the world. Only together can we build a better future, therefore my communication and team-working skills.

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WORK EXPERIENCE

Intern Architect Chaudfontaine Architects

07/2016 - 06/2017

Achievements/Tasks

- Developed and executed online, social media and print marketing strategies for the new projects.
- Participated in all phases of the design and construction processes on 6 major projects nationally and internationally.
- Produced drawings and layouts and assisted the clients throughout the projects. Clients had a satisfaction rate of over 95%.
- Created 3D models, renderings and video animations.

EDUCATION

MSc Space Syntax: Architecture and Cities Bartlett School of Architecture (UCL)

08/2014 - 06/2016

(UCL Architecture Department Excellence Award Winner)

- Spatial Dynamics and Computation
- Architectural Phenomena
- Buildings, Organisations and Networks
- Design as a Knowledge-Based Process

PERSONAL PROJECTST

NOTBLOX® Affordable Housing Project:
Assembling Sustainable Communities with
Insulating Concrete Forms (06/2016) ↗

- The jury called this design "handsome and sophisticated" and commended it on its demonstration of the ease of its construction. The project also demonstrated many options for the use of vinyl.

The S House: A Passive House (09/2015) ↗

- The form, structure and mechanical features of the building are integrated into a single shell. For example, the louvers also act as a screen along the facade of the building.

SKILLS

Presentation & Public
Speaking

■ ■ ■ ■ ■

Active Listening

■ ■ ■ ■ ■

Perseverance

■ ■ ■ ■ ■

Teamwork

■ ■ ■ ■ ■

Written & Oral
Communication

■ ■ ■ ■ ■

Creativity & Problem
Solving

■ ■ ■ ■ ■

TECHNICAL (IT) SKILLS

Graphics

Hand Drafting, Sketching, Autodesk AutoCAD, ArgGIS,
Adobe Creative Cloud Suite

Bim & 3D Modeling

Sketchup Pro, SU Podium, Autodesk Revit

Platforms

Windows & OSX Operating systems, Microsoft Office,
Google Drive/Docs

Other

Basic Web Development, Model Building, Darkroom
Techniques, Professional level Digital + Film
Photography

LANGUAGES

English

■ ■ ■ ■ ■

Danish

■ ■ ■ ■ ■

German

■ ■ ■ ■ ■

Spanish

■ ■ ■ ■ ■

INTERESTS

Artificial Intelligence

Virtual Reality

Chess

Travelling

Painting

Marathons



New York State Police
to
Ztar Mobile

Negotiate your salary

- Know your salary range in advance:
 - Websites (salary.com)
 - Headhunters who you know personally
 - Senior level women met during events
- If you give a range be prepared that they will offer you a lower end
- Be prepared to negotiate by saying “I would love the opportunity. I was hoping for a compensation closer to x”

LinkedIn tips

- Put as many variations of the title as possible
- Have a professional picture
- Ask for recommendations before applying for jobs
- Post your pictures from professional events on LinkedIn

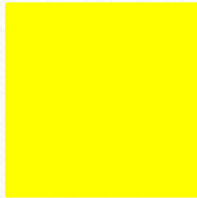


Ztar Mobile
to
Blackhawk Network

At your new job

- Your direct manager is more important than you may think
- You CANNOT change people, you can only change your behavior
- You define your destiny
- If you are unhappy do not wait too long

Lumina personality test



Extrovert
Big Picture Thinker



People Focused
Inspiration Driven



Outcome Focused
Discipline Driven



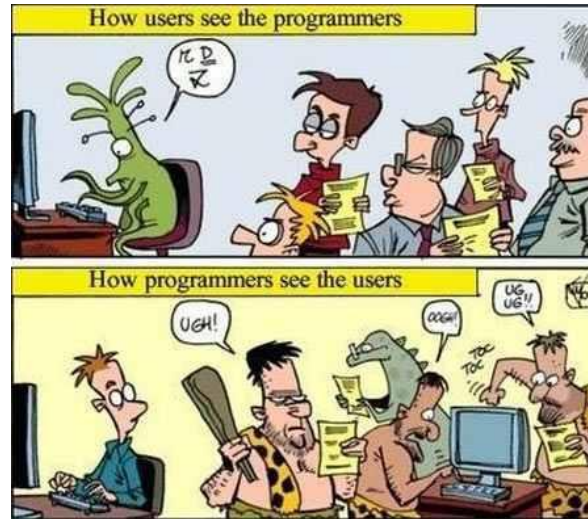
Introvert
Down to Earth

Non-profit organizations

- Pay it forward
- Find friends
- Build network
- Provide access to executive suite
- Provide access to events

Do NOT ask for permission

- The idea is very simple: if you want a career in CS, go for it
- There is a no club membership required or approval mechanism
- All you need is to work hard and act smart!
- A great field is waiting for you IF you are willing to invest necessary time and effort
- Check Internet for solutions



Thank you !!!
