

Joe Smith Jr.

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QUALIFICATIONS

Doctoral candidate in computer science with 8 years of experience in original algorithm analysis and development, especially in networking area:

- Creative problem solver skilled at gaining efficiencies and results using C and C++
- Productive researcher acknowledged for written, presentation and interpersonal abilities
- Skilled at managing research groups and multiple projects with strict budgetary responsibilities and tight deadlines
- Strong publication record in major journals
- Culturally sensitive professional fluent in French and Korean

EDUCATION

UC San Diego (UCSD), La Jolla CA
PhD Computer Science, expected April 20xx
Jacobs School of Engineering (JSOE)
GPA 4.0/4.0

University of Michigan
Bachelor of Science, Compute Science, 20xx
GPA 3.65/4.0, Dean's List

Coursework: Advanced Java III, Software Engineering, Computer Architecture and Operating Systems

TECHNICAL SKILLS

Languages proficiencies: C++, C, Java, Objective-C, C#.Net, SQL, JavaScript, XSLT, XML

Software proficiencies: Visual Studio, Microsoft SQL; Server; Eclipse, XCode; Interface Builder

PROFESSIONAL EXPERIENCE

Blippd., *Software Engineer*, San Francisco, CA,

20xx-present

- Reduced time to render video by 75% by implementing prediction algorithm and delayed graphics
- Implemented integration with OS X Spotlight Search by creating tool that extracts metadata from saved video transcript and provides metadata to system wide search database
- Redesigned video file format and implemented backwards compatibility for search

Microsoft Corporation, *Software Design Engineering Intern*, Redmond WA

20xx-20xx

Video Studio Core (Summer 2007)

- Implemented a user interface for the VS open file switcher (ctrl-tab) and extended it to windows
- Created service to provide gradient across VS and VS add-ins.
- Optimized service by 29% by caching toolbar gradient paintbrushes

Program Productivity Research Center (Summers 20xx, 20xx)

- Built app to compute similarity of all methods in a code base; reduced time from $O(n^3)$ to $O(n \log n)$, enabling processing on Windows source to complete in an hour, down from ~36 hours
- Created test case generation tool, which creates random XML. Docs from XML. Schema

RESEARCH PROJECTS

UC San Diego, Graduate Student Researcher

20xx-20xx

Multiuser Drawing Tool

- Electronic classroom where multiple users can view and simultaneously draw on a “chalkboard” with each person’s edits synchronized (C++, MFC)

Synchronized Calendar

20xx-20xx

- Desktop calendar with globally shared calendars, allowing users to schedule meeting with others
- Calendars automatically synchronize with central server SQL server (C#.Net, SQL, XML)
- Awarded 1st Prize in UCSD Corporate Affiliates Research Fair

Operating System

20xx-20xx

- OS with scheduler, file system, text editor and calculator. C.

AWARDS

Microsoft Corp., *Innovation Award*, 20xx

Microsoft Corp., *Goldstar Award*, 20xx & 20xx

UC San Diego, *Outstanding CS Engineering, Jacobs School of Engineering*, 20xx-20xx

UC San Diego, *Honors Program, Jacobs School of Engineering (JSOE)*, 20xx-present

LEADERSHIP EXPERIENCE

Teaching Assistant (TA), UC San Diego

20xx-present

Department of Electrical & Computer Engineering (ECE)

- Promoted to head TA in fall of 20xx
- Lead weekly online lab seminars for Object Oriented Software Design, Software System Design and Implementation and Advanced Software Engineering
- Supervised 6 TAs and 4 undergraduates in undergraduate research focused on the integration with OS X Spotlight Search

[Other headings for PhDs to consider including]

PUBLICATIONS (SELECT)

PRESENTATIONS (SELECT)

CONFERENCES (INVITED)

PATENTS (SELECT)

CONSULTING

CODING PROJECTS

TEACHING

VOLUNTEER

ASSOCIATIONS

CERTIFICATIONS