

## job postings

### Software Development Internship

MICROSOFT CORPORATION (ENGR)

Posted: Jan 14, 2013

DIVISION	N/A	POSITION TYPE	Internship (paid)
DESIRED CLASS LEVEL(S)	Sophomore, Junior	JOB FUNCTION	Computer Science

#### DESCRIPTION

##### Software Development

Our company was built by people like you—young software developers with a belief in the boundless potential of software. We still share your dreams and inspiration today. Team up with us to create what's next in consumer and enterprise technologies. During your internship, you'll elevate your tech skills working on both real-world products and experimental ones alongside some of the best minds in the industry. Your success will only be limited by your own imagination and motivation.

Whether as a Program Manager driving vision, design and implementation of future software; as a Software Development Engineer transforming a product vision into a reality; or as a Software Development Engineer in Test ensuring that a software's quality exceeds customers' expectations; from day one you'll make an impact on how millions of people around the world use technology.

Some of our Software Development internship positions include:

- Software Development Engineer (SDE)
- Software Development Engineer in Test (SDET)
- Program Manager (PM)

Please note by applying to this position you will be considered for all Software Development internship positions.

#### Software Development Engineer (SDE)

Whether you're creating new code, algorithms or data structures, you are the link

between abstract concepts and the technology products used daily by your friends, family and millions of other people around the world. Using your mastery of technical tools, you develop next-generation applications and operating systems, making decisions on design and feature implementation.

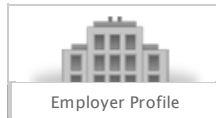
Software Development Engineers dive deep into code and work as part of a team of programming experts who solve problems and build powerful new tools. You collaborate with Software Development Engineers in Test (SDETs) to ensure stellar product quality, and you provide technical guidance to Program Managers (PMs) as they communicate user needs and product requirements. As a SDE, you dedicate yourself to producing the world's most advanced software.

#### Qualifications:

- Pursuing a B.S., M.S., or Ph.D. Degree in Engineering, Computer Science or related field
- Excellent programming skills. Experience with object oriented programming languages, preferably C, C++, and/or C#
- Familiarity with data structures and algorithms as well as feature definition, design and feasibility
- Ability to translate technical specifications into working code, and solve complex problems with consideration of the end user experience

#### Software Development Engineer in Test (SDET)

You have an innate understanding of technology. You always know how a program works, even when others do not. You are passionate about making things faster and more efficient. You understand the importance of testing and quality assurance.



Employer Profile

JOB MATCH: 73.21%  
WANT THIS JOB?

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#### IMPORTANT DATES

Posted On:  
Jan 14, 2013

Applications Accepted Until:  
Feb 13, 2013

#### RELATED RESOURCES

[Salary Calculator](#)

#### HELP & SUPPORT

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and more efficient, truly pushing software to its limits.

Software Development Engineers in Test are highly technical and you use your technical prowess to build and maintain automation systems, debug and isolate problems and execute creative tests to make sure our software is ready for prime time. SDETs write lots of code—code to test software features and code to extend our automation infrastructure. You work closely with Software Development Engineers (SDEs) and Program Managers (PMs), each contributing equally to the development life cycle. You enjoy breadth in your job and continually look for ways to integrate systems across business groups and products.

Qualifications:

- Pursuing a B.S., M.S., or Ph.D. Degree in Engineering, Computer Science, or related field
- Excellent programming skills. Experience with object oriented programming languages. C, C++, and/or C# experience preferred
- Familiarity with data structures and algorithms
- Ability to solve complex problems with customer experience in mind
- Ability to author test plans and cases, conduct security and stress tests and debug at source level after identifying, investigating and prioritizing bugs

#### Program Manager (PM)

As the in-house advocate for the millions of people worldwide who use Microsoft products, you drive the technical vision, design and implementation of next-generation software solutions. You predict and research how software is used and work closely with Software Development Engineers (SDEs) and Software Development Engineers in Test (SDETs) to ensure our end products exceed those expectations.

You gather customer requirements, write functional specifications and analyze usage cases to represent customers' needs throughout the development process. You'll invest your time in partnering with other product teams across Microsoft to drive collaborative solutions. If you love negotiating, evangelizing and empathizing on behalf of our customers, the PM role is for you.

Qualifications:

- Pursuing a B.S., M.S., or Ph.D. Degree in Engineering, Computer Science, or related field
- Experience with object oriented programming languages. C, C++ and/or C# experience preferred
- Familiarity with data structures and algorithms
- Ability to solve complex problems with consideration of customer experience
- Excellent verbal and written communications skills; ability to communicate with a variety of audiences

#### LOCATION

City

Redmond

State/Province

Washington

Country

United States

#### DESIRED MAJOR(S)

School of Engineering/Computer Science, School of Engineering/Computer Science/Computer Science, School of Engineering/Computer Science/Computer Science (Games), School of Engineering/Computer Science/Computer Science/Business Administration, School of Engineering/Computer Science/Physics/Computer Science, School of Engineering/Computer Science/Computer Science (Computer Networks), School of Engineering/Computer Science/Computer Science (Computer Security), School of Engineering/Computer Science/Computer Science (High Performance Computing and Simulations), School of Engineering/Computer Science/Computer Science (Human Language Technology), School of Engineering/Computer Science/Computer Science (Intelligent Robotics), School of Engineering/Computer Science/Computer Science (Multimedia and Creative Technologies), School of Engineering/Computer Science/Computer Science (Software Engineering), School of Engineering/Electrical Engineering, School of Engineering/Electrical Engineering/Computer Engineering and Computer Science, School of Engineering/Electrical Engineering/Electrical Engineering, School of Engineering/Electrical Engineering/Computer Engineering, School of Engineering/Electrical Engineering/Electrical Engineering (Computer Networks), School of Engineering/Electrical Engineering/Electrical Engineering (Electric Power), School of Engineering/Electrical Engineering/Electrical Engineering (Multimedia and Creative Technologies), School of Engineering/Electrical Engineering/Electrical Engineering (Telecommunications), School of Engineering/Electrical Engineering (VLSI Design), School of

Engineering/Electrical Engineering/Electrical Engineering (Fast Design), School of  
Engineering/Electrical Engineering/Financial Engineering, School of  
Engineering/Electrical Engineering/Systems Architecting and Engineering, College  
of Letters, Arts and Sciences/Mathematics, College of Letters, Arts and

Sciences/Physics

#### WORK AUTHORIZATION

Yes, now or in the future may need visa sponsorship



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- Career Center
- <http://careers.usc.edu>
- [\(213\) 740-9111](tel:2137409111)