University Internships

Utrecht University
2011/2012

From Accenture and Microsoft
Internships at Avanade

About Avanade

Let’s start by introducing ourselves. We are Avanade, a worldwide consultancy company delivering Microsoft technology solutions for our customers in all industries. We help enterprises to achieve their goals by giving them insight, innovation and expertise on technology with the help of our global network of consultants. Our consultants are based onshore – at the customer site, offshore – delivery centers in for example India – and nearshore – delivery centers in for example Malaga. More than 14,500 consultants are working for Avanade in over 26 countries. Avanade was born in the year 2000 as a joint venture between Accenture and Microsoft.

This worldwide network of consultants and our tight relationship with Accenture and Microsoft will give you an ideal environment to start your research. During your internship you will have access to all our consultants, knowledge basis and you will benefit from access to the latest Microsoft technology.

For more information about Avanade, go to: http://www.avanade.nl (NL), http://www.avanade.com (EN).

About your internship

We offer internships for graduation students to give you the opportunity to do your research in a commercial environment where many consultants work day-to-day on technology projects. We have identified primary research areas in which many new developments are currently on the way, or where we see opportunities for our customers. Based on these research areas, we like to discuss your internship together with you to form a project description.

The next pages contain short descriptions of the research areas. If you like to do your graduate internship at Avanade but your research area of interest isn’t listed in our research areas, please feel free to contact us and tell us about your ideas.

Contact

Are you interested in an internship at Avanade? Please send your resume by email to Joris Valkonet by mailing to nl.recruitment@avanade.com. If you have any questions, please contact 036 - 547 5107.

Duygu Cifci
Recruiter

Nicole Holla
Recruiter

Joris Valkonet
Consultant
Research Areas

Below are short descriptions of research area's Avanade sees as emerging. The areas aren’t project descriptions and we like to discuss project descriptions based on these research areas. A project description can be based on one or more research areas. The research areas aren’t exhausting, so if you have an idea for an internship that doesn’t fit well in one of the research areas, please let us know.

Cloud computing

There is no denying that most enterprises are moving towards cloud based platforms. Besides the business benefits these cloud platforms offer, they also bring challenges and opportunities on the technical side. Existing concepts such as grid computing, high performance computing, distributed computing and distributed algorithms are suddenly becoming viable tools for almost every business owner. For example, Avanade has built a Monte Carlo algorithm for one of its customers hosted in Windows Azure – being the cloud offering of Microsoft. Besides distributed computing, cloud computing has led to business (re-)considering hybrid and value-driven application architectures.

Advanced software engineering

The research area of advanced software engineering embraces many different subjects relevant for everyone working in the information technology industry. From automated software testing and behavior driven design to distributed computing and best practices and architecture. We see that every technology vendor is constantly looking for ways to improve the way we develop, test and use our software. Software engineering is going from an art towards science. We all embraced the world of intermediated languages to run software on all different platforms. With the popularity of devices like the iPad and the introduction of cloud computing, new ways of software engineering and architectures have emerged.

Game Development & Mobility

Playing games is enjoyed by people of all ages. With the technology advancing, games are more and more sophisticated and embedded into our day-to-day life while at the same time the biggest growth area is “casual gaming”. This offers a lot of fun and technical challenges. For example, playing games with no dedicated controllers but just your own body is becoming ever more popular. These days, games are not just for the PC or game consoles. You can also find them on smaller devices such as iPad’s and mobile phones. This gives us the opportunity to embed games into our real world and make use of ambient intelligence. In the area of game development and mobility, there are many different and challenging opportunities for internships. From using Microsoft Kinect for making a controller free game to using mobile devices for distributed games among many players.

Big Data & Analytics

During the last decades, the amount of information available has exploded. Besides the enormous quantity of data available, the different types of data has grown as well. In the 90's most of us worked with text files on computers but these days pictures, audio and video is available for everyone and on every device. This offers a lot of opportunities to use this data for many different applications by storing these enormous amounts in large databases or streaming while analyzing data with different types of algorithms. Accenture predicts that we will see an increase of brute force computing power applied to large data sets. We hope to see many new sophisticated algorithms to achieve the same or more - the predictive enterprise.