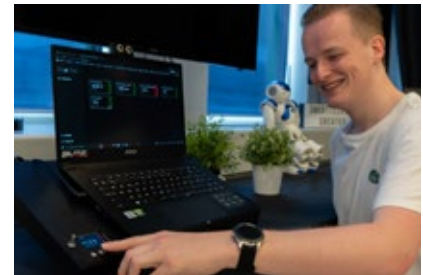


De basis van MCT

Semester 1	Semester 2	Semester 3
Basic Programming #PRINCIPLES #PYTHON	Full-stack Web Development #PYTHON #FLASK #JAVASCRIPT	Device Programming #CSHARP #XAMARINFORMS #.NET-MAUI #OOP #ANDROID
Frontend Foundations #HTML #(S)CSS #RESPONSIVE	User Interface Design #UI #DESIGN #HTML #CSS	Interaction Design #DASHBOARDS #DATAVISUALISATION
User Experience Design #UX #TESTING #PROTOTYPE		
Computer Networks #SECURITY #DEBIAN #R.PI #RASPBIAN #APACHE #MYSQL #CCNA #CISCO	Sensors & Interfacing #RASPBERRYPI #MICROCONTROLLERS #SENSORS #PROTOCOL #BITOPERATIONS	Security #PRIVACY #SECURITY #TESTING
Data Science & AI #INFORMATIONEXTRACTION #DATAREPRESENTATION #PREDICTING	Data Management #T-SQL #DBMS #MYSQL #BCNF	IoT Cloud #AZURE #MQTT #WEBSERVICES #IOTHUB
Prototyping #ARDUINO #SENSORS #MICROCONTROLLER #PROTOTYPING	Project One #WATERFALL #PROJECTMANAGEMENT #PROTOTYPING #MAKER #INTEGRATE	Team Project #AGILE #SPRINTS #TEAMWORK #PROJECTMANAGEMENT

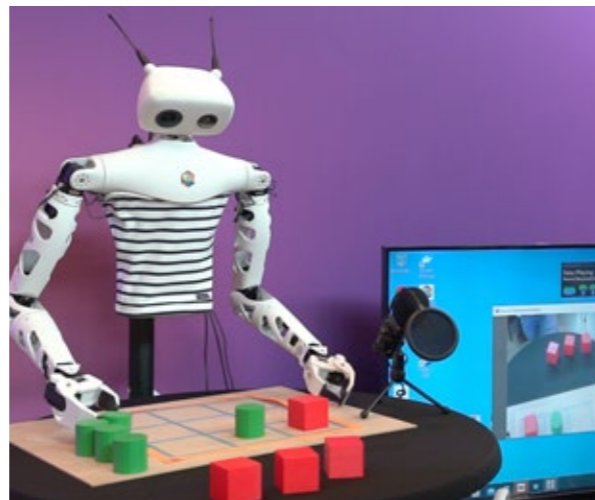
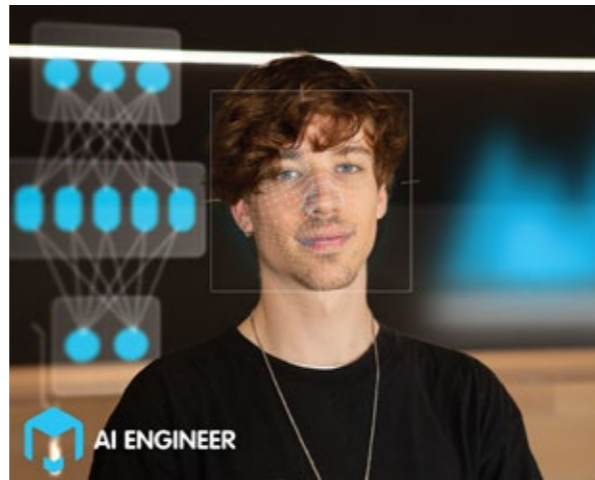
● Code ● Design ● Connect ● Analyze ● Integrate



AI engineer

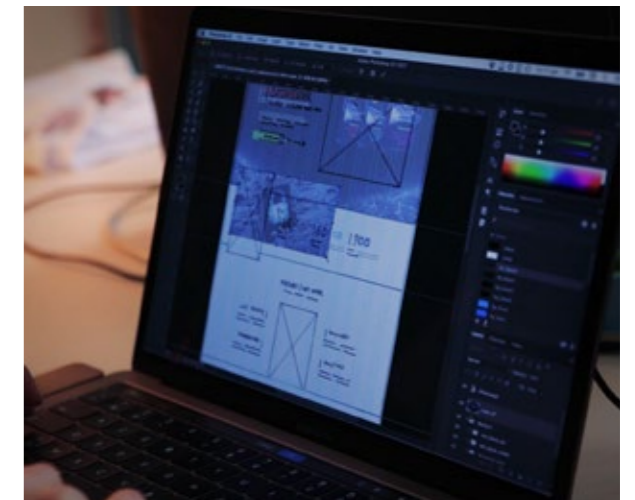
Semester 4	Semester 5*	Semester 6
Backend Development #NETCORE #CROSSPLATFORM #GRAPHQL #DOCKER	MLOps #KUBERNETES #CI/CD #AUTOMATEDAI #CLOUDAI	Stage in binnen- of buitenland
Advanced Programming & Maths #PYTHON #ALGORITHM #THREADING #MATHS	Deep Learning #DSP #NEURAL-NETWORKS #PREDICTIONS #CLASSIFICATIONS	
Big Data #TIMESERIES #NOSQL #TEXTSEARCH #MAPREDUCE #SPARK #STREAM #BATCH #CLOUD	Advanced AI #REINFORCEMENTLEARNING	
Machine Learning #NEURALNETWORKS #AI #MACHINELEARNING	The Collective #INTERNATIONAL #BUSINESS #MVP #INTERDISCIPLINARY #ENTREPRENEURIAL	#TEAMWORK #ENTREPRENEUR #PROJECTMANAGEMENT #INTEGRATION
Industry Project #AGILE #SPRINTS #TEAMWORK #COMPANYPROJECTS #DEADLINES	Research Project #RESEARCH-PROJECT #THESIS #NEW-TECHNOLOGIES	Bachelorproof #REFLECTION #RESEARCH #FIELD

*5^{de} semester bestaat als ETS (English-taught semester)



Next Web Developer

Semester 4	Semester 5	Semester 6
Backend Development #NETCORE #CROSSPLATFORM #GRAPHQL #DOCKER	Future Technologies #GUESTLECTURES #SESSIONS	Stage in binnen- of buitenland
Frontend #TYPESCRIPT #SCSS #REACT	Advanced full-stack development #FRONTEND #BACKEND #GCP #FIREBASE #MOREPWA #AI	
Smart App Development #EXPO #REACTNATIVE #IOS #ANDROID	New Interface Design #EXTENDEDREALITY #MULTIMODALINTERACTION #WEARABLES	
Motion Design #AFTEREFFECTS #ONBOARDING #ANIMATION #LOTTIE #SCREENCASST	The Collective #INTERNATIONAL #BUSINESS #MVP #INTERDISCIPLINARY #ENTREPRENEURIAL	#TEAMWORK #ENTREPRENEUR #PROJECTMANAGEMENT #INTEGRATION
Industry Project #AGILE #SPRINTS #TEAMWORK #COMPANYPROJECTS #DEADLINES	Research Project #RESEARCH-PROJECT #THESIS #NEW-TECHNOLOGIES	Bachelorproof #REFLECTION #RESEARCH #FIELD



XR Developer

Semester 4	Semester 5	Semester 6
Unity (DAE:Platform Development 2) #UNITY #3DPROGRAMMING	Experimental XR #HUMANINTERFACES #EXTENDEDINTERACTION	Stage in binnen- of buitenland
3D1 (DAE) #3D-DESIGN #MAYA #BLENDER	Mixed Reality #MR #MOBILE-AR #HOLOLENS	
Advanced Programming & Maths #PYTHON #ALGORITHM #THREADING #MATHS	IoT Devices & Robotics #LORA #5G #EMBEDDEDPYTHON #WEARABLES #EDGEAI	
Applied AI #AI #MACHINELEARNING #NEURALNETWORKS	The Collective #INTERNATIONAL #BUSINESS #MVP #INTERDISCIPLINARY #ENTREPRENEURIAL	#TEAMWORK #ENTREPRENEUR #PROJECTMANAGEMENT #INTEGRATION
Industry Project #AGILE #SPRINTS #TEAMWORK #COMPANYPROJECTS #DEADLINES	Research Project #RESEARCH-PROJECT #THESIS #NEW-TECHNOLOGIES	Bachelorproof #REFLECTION #RESEARCH #FIELD



IoT Infrastructure engineer

Semester 4	Semester 5	Semester 6
Network Infrastructure #CCNA1+2 #CORPORATENETWORKING #IPROUTING #CABLING	Cloud Services #AMAZON #AWS #MICROSOFT #AZURE	Stage in binnen- of buitenland
Linux OS #LINUX #DEBIAN #OPERATINGSYSTEM #IOT	Network Scripting #IAC #CAC #POWERSHELL #BASH #PYTHON #TERRAFORM #ANSIBLE #GIT	
Virtualisation & Cloud Computing Infrastructure #VMWARE #HYPERV #DOCKER #KVM #LXC #HYPERCONVERGED	IoT Devices & Robotics #LORA #5G #EMBEDDEDPYTHON #WEARABLES #EDGEAI	
Windows OS #WINDOWS-SERVER-2019 #MCSA-LEVEL #AD #GPO #SECURITY	The Collective #INTERNATIONAL #BUSINESS #MVP #INTERDISCIPLINARY #ENTREPRENEURIAL	#TEAMWORK #ENTREPRENEUR #PROJECTMANAGEMENT #INTEGRATION
Industry Project #AGILE #SPRINTS #TEAMWORK #COMPANYPROJECTS #DEADLINES	Research Project #RESEARCH-PROJECT #THESIS #NEW-TECHNOLOGIES	Bachelorproof #REFLECTION #RESEARCH #FIELD

