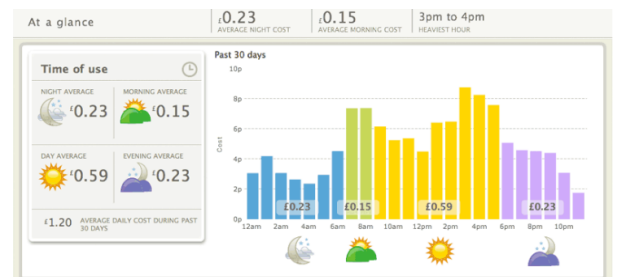
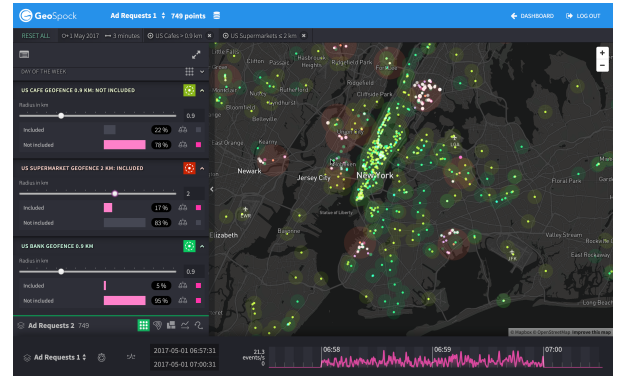


```

{
  "name": "David Binns",
  "overview": "I am a JavaScript developer enthusiastic about data visualisation with extensive experience in the browser and Node.js",
  "contact": {
    "email": "dbinns.web+cv@gmail.com",
    "phone": "+447919445300"
  },
  "employment": [
    {
      "name": "GeoSpock",
      "when": ["2016-11", "current"],
      "role": "Principal software engineer for visualisation in geospatial big data analysis platform",
      "projects": {
        "visualisation": "Working in a team to produce a high performance interactive visualisation of geotemporal data",
        "integrations": "Integrating BI tools and 3D visualisation libraries with the GeoSpock database"
      },
      "experience": {
        "javascript": "Developing cutting edge JavaScript with Babel to ensure browser compatibility",
        "testing": "Authoring an end-to-end automated UI test suite, using Puppeteer and Jenkins",
        "react": "Developing a complex modularised React user interface driven by Redux",
        "mapbox": "Rendering and loading custom datasources into map views",
        "webgl": "Authoring and optimizing shaders",
        "node.js": "Architecting a REST and GraphQL service hosted in AWS",
        "graphql": "Writing resolvers and queries to connect cloud services to an administration interface",
        "team": "Working at different times in scrum teams and individually",
        "code": "Using pull requests, code reviews and maintaining CI"
      },
      "image": ["/images/geofencing.png", "Geofence filtering of geographic data in Data Explorer"]
    },
    {
      "name": "Hive (AlertMe / Centrica)",
      "when": ["2011-01", "2016-11"],
      "role": "Front end senior software engineer for the Hive home automation platform",
      "projects": {
        "ui": "Developing a web interface and REST API in PHP, Python and JavaScript for controlling a wide range of devices",
        "sre": "Improving network reliability and security for devices in customers' homes"
      },
      "experience": {
        "vcs": "Extensive experience with git, mercurial and subversion, including leading the migration from subversion to git",
        "javascript": "Large scale user interface engineering with jquery",
        "network": "Debug and diagnosis at the packet level on embedded hardware and in the cloud"
      },
      "image": ["/images/alertme.png", "An example from the smart home web dashboard showing energy usage over time"]
    },
    {
      "name": "Node.js and J2ME contracting",
      "when": ["2010-11", "2010-12"],
      "role": "Developing a Node.js server side application and J2ME client application for text entry to be deployed in developing countries"
    }
  ]
}

```



```

"name": "European Bioinformatics Institute",
"when": ["2001-11", "2010-10"],
"role": "Senior Software in the InterPro and GOA teams",

```

```

"projects": {
  "InterPro": "Developing the Oracle backed InterPro protein classification browser",
  "GOA": "Implementing the QuickGO Gene Ontology and annotation browser and editor"
},

```

```

"experience": {
  "java": "Database access, servlet and graph visualisation",
  "javascript": "Interactive database browsing in HTML and SVG",
  "oracle": "Optimizing database access for real time queries and batch processing"
},

```

```

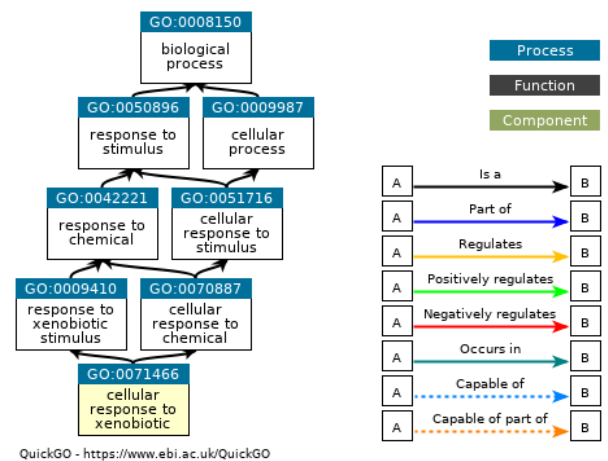
"image": ["/images/quickgo.png", "A graph rendering of the hierarchy of terms in the Gene Ontology"]

```

```

{
  "name": "Unigraphics",
  "when": ["2001-06", "2001-10"],
  "role": "Working on a web front end for product data management software, in C++ and JavaScript"
}, {
  "name": "Apama",
  "when": ["2001-02", "2001-05"],
  "role": "Working in Java and SQL to develop location aware applications"
}, {
  "name": "International Nepal Fellowship",
  "when": ["2000-11", "2001-02"],
  "role": "Voluntary work in Nepal with a Christian development organisation helping with computer training and maintenance"
}

```



```

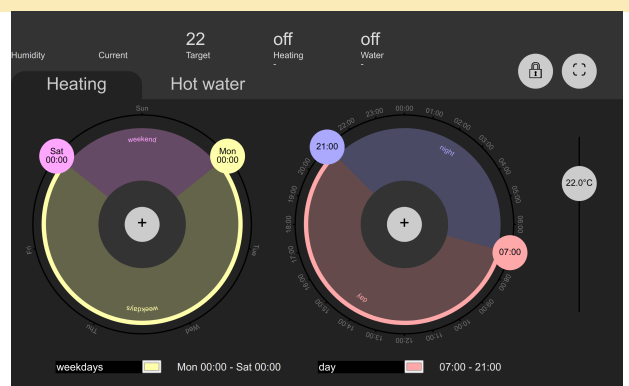
"education": [
  {
    "name": "BA, MMath, Mathematics, Queens' College, Cambridge University",
    "when": ["1996", "2000"],
    "result": "II.1, Merit"
  }, {
    "name": "Hymers College, Hull",
    "when": ["1989", "1996"],
    "result": "10 GCSEs at grade A/A*, 5 A-levels at grade A"
  }
]

```

```

"about": {
  "volunteering": "I am a Christian and volunteer with Friends International to run events to welcome international students to Cambridge",
  "recreation": "I enjoy recreational programming and have been mostly working in JavaScript on the web and on NodeJS on Linux. The house heating system runs on Raspberry Pis with software I have written.",
  "image": ["/images/thermostat.png", "UI for house thermostat"]
}

```



```

"links": {
  "JSON": "https://cv.davidb.uk/CV.json",
  "PDF": "https://cv.davidb.uk/CV.pdf",
  "HTML": "https://cv.davidb.uk/",
  "Github": "https://github.com/dwbinns/cv"
}

```